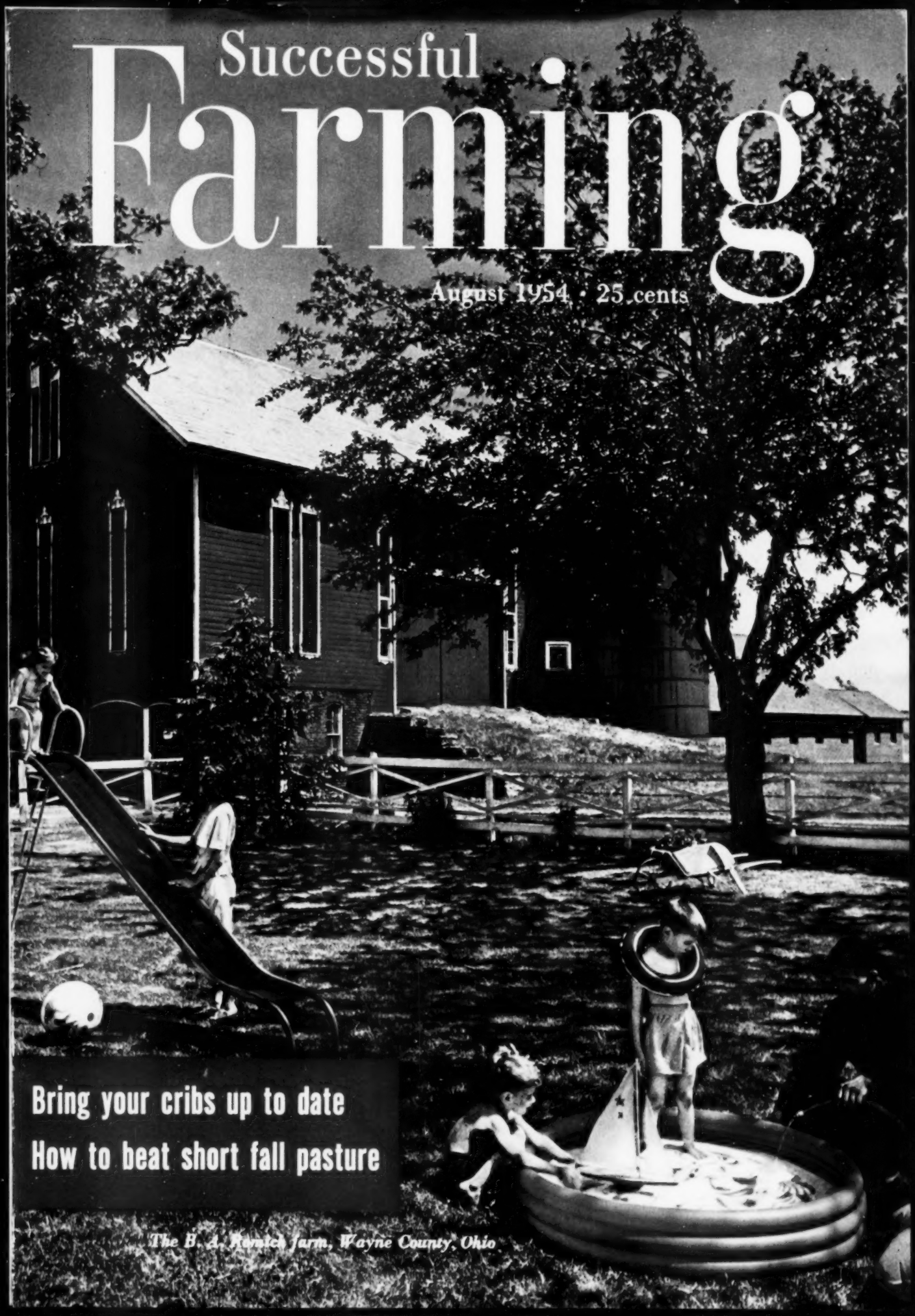
Successful Farming

August 1954 · 25 cents



Bring your cribs up to date

How to beat short fall pasture

The B. A. Rentch farm, Wayne County, Ohio

The Ford Sunliner

Nearly twice as many people buy Ford Sunliners as any other convertible. Why? Because they appreciate that extra "something" that a Ford Sunliner gives them. Part of this extra "something" is sheer beauty. Part is the instant response ... the smooth silky "Go" of Ford power. Ford, you know, is the only car in its field that offers a V-8 engine. Then, too, there's the roadability and "solid" feel that only Ford's Ball-Joint Front Suspension can provide.

These FORDS top the Best-Seller list

Worth More when you buy them ...
Worth More when you sell them

The Ford Skyliner

For the first time ever in Ford's field, you can own a "hardtop" with a transparent roof! And the sweeping beauty of this new type of car is only a clue to what lies within! Interiors are of nylon or nylon-vinyl combinations, tailored to a decorator's taste. And you can have the most advanced optional power assists. Only Ford in its field offers power steering, power brakes, power windows *all around*, a 4-way power seat and Fordomatic Drive.

The 4 Ford Station Wagons

More people buy *Ford* station wagons than any other make! One reason is Ford's choice: two 6-passenger Ranch Wagons ... and the 8-passenger Country Sedan and Country Squire. But, more important, Ford has proved that station wagons can be beautiful and comfortable—as well as completely *practical*. *All* are noted for the ease with which they can be converted from "utility" cars to passenger cars. V-8 or Six, Ford is your best station wagon buy.

Your Ford Dealer cordially invites you to come in for a Test Drive

These ruler-straight lugs OUTPULL all others!

TOUGH JOBS PROVE IT!

Super-Sure-Grip—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

GOODYEAR'S field-proved SUPER-SURE-GRIPS get their husky, ruler-straight lugs deep down in the soil—and just heave you out of trouble!

They've got the extra P-U-L-L that walks away with the tough jobs on any man's farm—and that's why farmers overwhelmingly prefer SUPER-SURE-GRIPS to any other tractor tire!

Yes—in survey after survey, these top-ranking Goodyears have polled more votes than the next two makes put together. So why not let the easy winner ease your work, too?

Goodyears do more, but don't cost more—so see your dealer next time you're in town! Goodyear, Farm Tire Dept., Akron 16, Ohio.

WHY GOODYEARS GIVE YOU "THE GREATEST PULL ON EARTH"

1. RULER-STRAIGHT LUGS come closer together at shoulders—and so take wedge-like bites that hold soil in place—to give Goodyear tires greater grip.

2. O-P-E-N C-E-N-T-E-R pioneered by Goodyear. Farm experience proves it bites deeper, sharper—pulls better—when combined with straight lugs!

3. LONG EVEN WEAR—because Goodyear straight lugs work against the soil evenly, they wear evenly, roll smoothly on the road, last longer.

FIRST in Traction • FIRST in Long Wear • FIRST in Popularity!

GOODYEAR

America's Strength is in the Land—Cooperate with your Soil Conservation Program

Super-Sure-Grip Tractor Tires

THERE'S A SPECIALLY DESIGNED GOODYEAR TIRE FOR EACH VEHICLE ON THE FARM

SUCCESSFUL FARMING'S NEWS OF THE MONTH

Wilson

Too much water

Britt, Iowa—While many sections of the country are again faced with drouth conditions, others are getting too much water.

This aerial photograph, taken in Hancock County, shows recent flooding after a total of 9.56 inches of rain fell in a 10-day period. Repeated heavy rains, occurring three and four nights in a row, pushed rivers in the state to record highs. An estimated 725,000 acres of rich farmland were covered with water. Most of the flooding on farms was in the so-called "pothole" areas, similar to the one shown.

President Eisenhower has designated 19 Iowa counties as disaster areas, enabling local government units to apply for federal relief funds.

What the wheat vote means to you

Washington—Wheat growers will have *two* choices for price support of their 1955 crop in the wheat marketing quota vote on July 23. The choices are:

- For marketing quota—means continued price support at 90 percent of parity, *with* a national cut in acreage of 13 percent (to 55 million acres).
- Against marketing quota—means price support on wheat would drop to 45 percent of parity, with *no* limit on acreage.

If two-thirds of the farmers voting cast their ballots for the marketing quota, all wheat farmers will be given acreage allotments during this wheat-growing year. *You must stay within your allotment or pay a stiff cash penalty.* However, if you have 15 acres or less, you are *not* subject to a *marketing-quota penalty*. But you still are *not* eligible for price support *if* you overplant. You can seal wheat at 90 percent of parity *if* you comply with cross-compliance and total acreage-allotment orders (see below).

If *less* than two-thirds vote for the quota, the price support drops to 45 percent of parity.

Stiff crop control

Washington—Secretary Benson has announced the stiffest curbs in history on what you will be allowed to plant *next year*. They are:

- You must stay within *all* acreage allotments set for your farm in 1955 *if* you want to seal *any* crop.
- In addition, if you have a total of *more* than 10 "diverted acres" on all crops, you'll be given a "total acreage allotment." You can't plant *more* than this total acreage allotment to crops, other than hay or pasture (soil-building crops). If you do, you'll *lose* price support on *all* your crops.

Foot-and-mouth lab set

Washington—The contract has been signed for construction of a laboratory on Plum Island to study foot-and-mouth disease and other foreign diseases which might threaten our livestock industry. Construction of the main laboratory facilities is expected to take 18 months.

Coming next issue

MATERIALS HANDLING

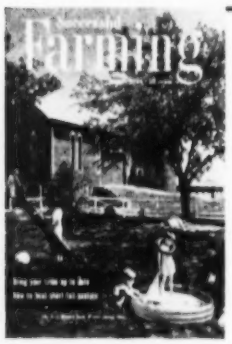
Newest farm science

In the September issue, *Successful Farming* brings you the first of a series of articles on the most-neglected phase of farming—materials handling.

Materials handling is more than just taking a look at *one* monster system—expecting you to duplicate it on your farm. We're approaching the problem from an engineering viewpoint much as industry—and you—have done in field work.

Our approach deals with *principles*, applying them to each of the materials you handle around the barn. We'll completely cover each in coming issues. The articles will cover:

1. Economics of materials handling. 2. Grain and ground feed. 3. Forages—silage and hay. 4. Water. 5. Manure. 6. Purchased supplies; products sold.



On the cover

Creston, Ohio—Here, having a grand time on a hot August day, are Kristine McKelvey (on the slide) and Tommy and Barry Romich, grandchildren of Mr. and Mrs. B. A. Romich. Kristine's father, Gene B. McKelvey, is herdsman on the farm.

That's Kristine's mother, Shirley, nearby. The two boys are sons of Ben A. Romich, Jr. (filling pool), manager of the 220-acre dairy farm.

Index on page 32

Photograph: Hedrich-Blessing

SUCCESSFUL FARMING AUGUST 1954
VOLUME 52 NUMBER 8

Entered as second-class matter October, 1902, at the post office in Des Moines, Iowa, under act of Congress, March 3, 1879. Copyright, 1954, by Meredith Publishing Company. All rights reserved under the International and Pan-American Conventions. Published monthly by Meredith Publishing Company, 1716 Locust St., Des Moines 3, Iowa. Rates: New and renewal subscriptions, one year $1.50 in the United States and possessions, Canada, and Pan-American countries. Other countries $2 per year. Printed in U. S. A.

THE FARMER WHO OVERLOOKED THE PRICE OF HIS SUCCESS...

There was once a farmer who prospered in most everything he did. He seemed to have a knack (the result, actually, of using modern, scientific farming methods) for making two bushels grow where only one grew before.

As the years went on, his farm increased many times in value. He added new buildings, new equipment. Land values increased. He became what you'd call a well-to-do farmer—and he was very proud that he would someday be able to leave his farm to his son so that he, too, could enjoy the good living it provided.

He overlooked one thing. He forgot to reckon that as his *farm* increased in value, so would the *estate taxes* on it when he died.

The result was that when the time came to settle his estate, his wife and son were hard-pressed to raise all the *cash* required to pay the costs—estate taxes, inheritance taxes, administration costs and the like. For even though the farmer had left several thousand dollars in cash and some life insurance, the costs came to considerably more than his total cash assets at the time of his death.

As a consequence, his family had to sell part of the farm to raise the extra cash. And as often happens when property must be sold quickly, it brought far less than it was worth. On top of that, the son found himself with *less* income-producing land to farm.

So, if you own a farm whose land, buildings and equipment represent a sizable investment—and if you'd like to make sure that your heirs will receive everything you intend to leave them—then it would be very wise to carry enough life insurance to pay these estate settlement costs. That way, your heirs will be sure of having enough cash on hand to defray the costs *without* having to sell part of the farm.

The New York Life agent in your county is the man to see about things like this. He can tell you about the many ways in which life insurance can be put to work today to protect your farm, your family and yourself. You'll find it more than worth your while to get in touch with him and get the facts today. If you don't know his name, just write to the Home Office at the address below.

THE NEW YORK LIFE AGENT IN YOUR COUNTY IS A GOOD MAN TO KNOW

nylic

NEW YORK LIFE
INSURANCE COMPANY
51 Madison Avenue, New York 10, N. Y.

New York Life, a mutual company, pays dividends to policy owners only. It is one of the strongest legal reserve companies in the world

FARM OUTLOOK FOR AUGUST

This month's highlights

- **Cattle slaughter hits new record high**
- **Official spring pig-crop report issued in late June**
- **Lower dairy supports didn't solve butter problem**
- **Increased chicken numbers may bust egg prices**
- **Durum and high-protein wheat sell well. Seal the rest**

Factory output high

Industrial producers have worked off some of their inventory surplus. They are going ahead now—but cautiously—to increase production of the things you and all other consumers buy.

Government spending for defense also continues high. It hasn't dropped as much as had been planned last winter. These factors help buying power of our customers.

Farm output too high

Your situation as farm producers is different. Agricultural inventories (those held by the government) continue to rise. Current farm production also is up—to make for the *biggest total* supply of farm products *on record*.

This means: Prices of commodities you sell (excepting basic crops going under government loan) will be under pressure of big supplies.

Seal your wheat

Big volume of new wheat is now going under loan at the highest support prices ever offered. (Government has authorized loans for wheat *temporarily* stored on the ground.)

High-protein and Durum wheat will sell well in the market place. For the rest, *your best bet is the government loan.*

Carryover next July will be around 1 billion bushels.

Less wheat next year

Wheat acreage seeded for 1955 crop likely will be the smallest in 13 years—about 55 million acres, compared with this year's 63 million, last year's 79 million.

With average yields, the 1955 crop would make around 800 million bushels. So total supply for 1955-56 would be about 1.8 billion bushels—still too much for prices to move above support levels.

What does this mean to you? Looks like the government loan will be your best market for the next few years.

Egg quality pays

Government studies show that *quality* eggs *do* bring *higher* prices in Eastern markets. Better quality—that's the best line for you to follow in view of the increasing competition from Eastern eggs.

January-May lay pushed close to 2.5 billion dozen eggs—*a 3-percent increase* over last year. It was *big enough to push prices down.*

Note this warning: On June 1, farms had 500 million chicks and young chickens of this year's hatch—a 7-percent increase over last year. An increase of anything like that amount in fall and winter egg lay *would surely bust prices.*

Record turkey crop

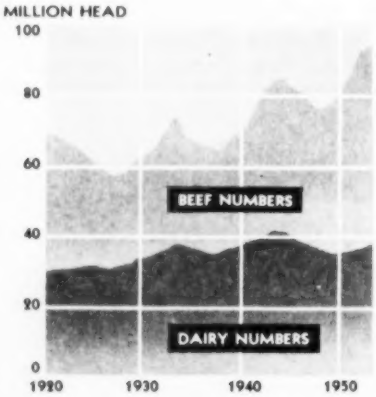
Turkey crop of more than 61 million birds is in sight—that's a *new high record.* Biggest increase over last year is in lightweight breeds. Looks like birds for Thanksgiving and Christmas kill will bring lower prices.

Passing peak in cattle numbers

It now looks like total cattle numbers have passed the peak of this cycle. Indications come from slaughter of cattle and calves—which was at a *new record high* during the first half of this year, around one-tenth *more* than the previous high record in 1953.

It now seems likely that the kill this year will be around 40 million head. That is enough to reduce cattle numbers by 2 or 3 million—from the record 94.7 million head last January 1.

What does this mean to you? The graph below shows the ups and downs, or cycles, in cattle numbers since 1920. These regular cycles have been coming since the 1800s. On the basis of these cycles and what we can see by looking into the neighbors' pastures, we would expect large numbers of cattle on the market in the next few years. We'll get above-normal slaughter from the high numbers—*plus* an additional boost in slaughter from cutting down the total national cattle herd.



Cattle-price picture

Improvement in spring pastures increased the demand for cattle to go on grass. The U.S.D.A. expects a seasonal price decline in grass-cattle prices this summer and fall, "when cattle off range are expected to sell for about the same average prices as last fall."

Meanwhile, more cattle have moved into feedlots since January 1 than during the same months last year. Just the same, U.S.D.A. expects fed-steer prices to be fairly stable for the year as a whole.

Hogs lower

Looks like more than the usual hog-price decline through fall, as we've said before. Official U.S.D.A. spring pig-crop report, issued June 22, showed an increase of 13 percent over 1953. (For a complete report on the hog-price picture, see page 35.)

Still buying butter

Butter consumption has increased since the drop in support prices, *but not enough to reduce surplus buying by Commodity Credit Corporation.*

The C.C.C. stock now is climbing above 400 million pounds and likely will go higher. No C.C.C. official will hazard a guess as to where the top is located. Nor will anyone guess how much, if any, butter will be sold back to the trade this fall.

Big increase in fall milk and butter production upset the butter cart the last two years; may do it again this year, in spite of the lower supports.

Still more milk

Big push on the industry-government dairy-promotion program got under way in June. Objective is to move the increased production of milk into *consumption.*

Production thus far this year is running about 5 percent above last year. Major dairy-producing countries of the world face the same situation as we do.

What should you do? We've said before, and must say again: Watch opportunities to cull the "boarders" in the months ahead. The U.S.D.A. suggests that culling will need to be stepped up by at least 10 percent this year if dairy-cow numbers are to be maintained at the January 1, 1954, level. *More milk from fewer cows will make more money this year.*

"My CAT® D2 Tractor saved my $2,470 corn crop,"

reports Karl Tellman, Columbus, Indiana

"A flash flood made an island out of my cornfield. With corn at $1.90, we couldn't afford to lose a single bushel. I picked through mud and water to save 18 acres of hominy corn that would have been partly ruined otherwise. Around here, when it sets in for a wet spree, you're sunk with a wheel tractor. That's only one of many ways the D2 has saved money. I wouldn't farm without the D2. You can sure see the difference on the fuel bill, too."

When your crops are ready to harvest, that's the time to get them off the field—before insect or wind damage, dropping prices, shrinkage or shelling take their cut. When you own a Cat Diesel Farm Tractor, you'll get your crop out on time. Those wet spots, frost or slick places won't slow you down. But as Karl Tellman said, "That's only one of many ways the D2 saves money."

Here are more:

- **Cut your fuel costs 60% to 80%,** $400 to $500 per year on average farms. For example, the 35 drawbar HP D2 at full load will burn about 2 gallons of 12¢ to 14¢ No. 2 furnace oil.
- **Pull bigger loads, accomplish a whole of a lot more.** You'll plow, disk, or drill up to 60% more than you can with wheel tractors of similar "rated" horsepower.
- **Do your own land clearing,** leveling, pond building with the bulldozer-equipped Cat Diesel Farm Tractor. Earn extra money in slack times by helping out your neighbors.
- **Cut your maintenance costs.** Stumps and stones can't hurt the steel tracks, Cat Diesel Farm Tractors last longer . . . many go for 6 to 10 years with almost nothing being spent for repairs.

See Caterpillar Diesel Farm Tractors at work at the National Plow Match — Olney, Illinois, September 16-17-18, 1954. Caterpillar Tractor Co., Peoria, Ill., U.S.A.

CATERPILLAR®

DIESEL FARM TRACTORS
TOOL BARS • IMPLEMENTS

FREE BOOKLET!

Caterpillar Tractor Co.
Dept. SF84, Peoria, Ill.

☐ Send me literature on the, "New, Improved Cat D2 Tractor," Form No. 30998.
☐ I want a demonstration. ☐ I am a student.
I farm ..... acres.

Name .....

Address .....

City ..... State .....

Better alfalfa yields with ARAMITE®!

Bigger dollar yields for you!

Treat your alfalfa with Aramite, today's safest, strongest mite-killer and you'll treat yourself to a far more marketable crop this coming hay season. A small per-acre investment in Aramite brings you a far better mite-free yield—many more dollars in your pocket.

Aramite provides superior, longer-lasting mite control on those Atlantic, Pacific, Two-Spotted and Septanychus species that can eat away your alfalfa profits. And easy-to-apply Aramite mixes well with most insect and fungus-killing chemicals, is non-hazardous to humans and animals as well as to beneficial mite-eating insects.

Order Aramite or formulations containing Aramite (including Ortho-Mite, Geigy Aramite, General Aramite, Niagaramite, PENCO Aramite, Stauffer Aramite, Black Leaf Aramite) from your local supplier today and watch your profits grow.

Naugatuck Chemical

Division of United States Rubber Company
ELM STREET, NAUGATUCK, CONNECTICUT
producers of seed protectants, fungicides, miticides, insecticides, growth retardants, herbicides: Spergon, Phygon, Aramite, Synklor, MH, Alanap.

FRIEND TO FRIEND

- *Machinery costs*
- *High-school agriculture*
- *Go to your fair*
- *Fertilizer crazy*
- *Water systems*

Dwight Caldwell (left) explains his home-made chopper to me as we go to the field

● My friend **Dwight Caldwell** is a farm expert with **machinery.** In fact, he deserves the title of engineer, but he insists he is just a practical farmer trying to get his yard and field work done well and as cheaply as possible.

Our conversation at the time this picture was made dealt with a **field chopper** Dwight had built himself. It is planned on somewhat different principles, and he was eager to test it. Field trials I watched seemed satisfactory. However, many unexpected troubles show up in every new machine. Not until it has stood several years of testing and improvement can it be safely produced in numbers.

I like Caldwell's idea of fighting down **machinery costs** at all times. Much is accomplished by keeping up repairs and service on everything. He takes pride in pointing to machines in continuous operation for 15 or more years. Handwork is reduced almost to nothing. Fence rows are reduced to the fewest possible. They are heavily seeded to bromegrass, which effectively keeps out weeds all summer.

It's a strenuous kind of rest, visiting Dwight, because he has so many new ideas to discuss and demonstrate. But it's always a refreshing and stimulating rest.

● The **National Grange** takes a vigorous stand in behalf of **vocational agriculture** in rural schools. Both **Ed Holter** and **Delos James** deserve much credit for their defense of federal money spent for this purpose. These men, who are my personal friends know they are on firm ground before they support any program.

My views have been expressed already on vocational agriculture. I believe increased funds should be provided each year until all the **5,000 schools** not now offering these courses can do so. The value of such training has been demonstrated hundreds of times. Future needs must increase. Does your school offer vocational education? If not, why?

● You are going to the fair, of course. For **recreation,** there is nothing quite equal to **your favorite fair.** As an educational institution, it may fall short in many respects. I would never favor a reform to make fairs **strictly educational.** But in those departments farm families visit for educational purposes, there must be worthwhile exhibits.

Certainly, the **junior livestock shows** must rank highest. But be sure there is emphasis on how to make money with livestock as it is produced under practical farm conditions. Tricky fitting and showing, overfat animals, and attention to details a boy or girl does not need in the stiff struggle to start farming, are useless. **Crazy prices** paid for champion animals do great harm to the young showmen. Go to the fair and have fun. Also, learn a little that can help you farm better.

● Is it possible to go crazy about **commercial fertilizer?** My friend **Harry Fox** is beginning to wonder. He sees once fine fields full of ponds after rains and soil too hard to scratch with a corn-plow shovel. It seems to me the increased crop wastes of stalks and stubble resulting from fertilizer use should build up the soil. George Johnson, our soils editor, insists this is true.

However, **excessive cultivation** of row crops can hurt the soil. I feel sure a good system of crop rotation that includes **fine-rooted grasses** must be observed regardless of all improvements made in future commercial fertilizer. So long as you can exchange $1 in fertilizer for $4 or $5 worth of crops, you will do it. A high regard for good soil condition will be necessary, though.

● Every farm home should have a water system. As eagerly as farm men and women seek ways to save labor, it's astonishing to find such a high percentage overlooking water supplies and disposal. Even a simple system costs something, I realize, but so do a great many other things.

Fine Fox

SAVE 15 CENTS or more

on every motor oil dollar!

Get Standard's higher quality in this

ONCE-A-YEAR DISCOUNT SALE!

• SAVE, TOO, ON LUBRICANTS, SPRAYS, OTHER FARM NEEDS

Save now on the things you use every day to run your farm at a profit! Standard Oil's once-a-year discount sale is now in progress. This year you can earn discounts up to as much as fifteen cents or more on every motor oil dollar. Start saving with your first order of PERMALUBE or one of Standard's other fine motor oils.

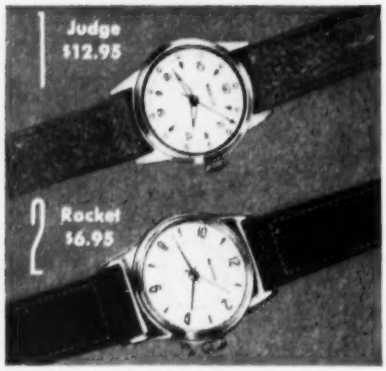
And you can get the same money-saving discounts on Standard's other farm and home supplies: greases, insecticides, sprays, etc. *Estimate your needs for the entire year and order now.* The more you order, the more you save. Pay nothing down . . . pay only when you take delivery. Order early and get these savings!

NEW, this year—
the gas-saving motor oil

It is New Super PERMALUBE, the amazing new motor oil that cuts engine drag and friction in cars and trucks—so much that it can actually save *you* up to two gallons of gas in a tankful. Gives complete lubrication and protection. Add New Super PERMALUBE to your order.

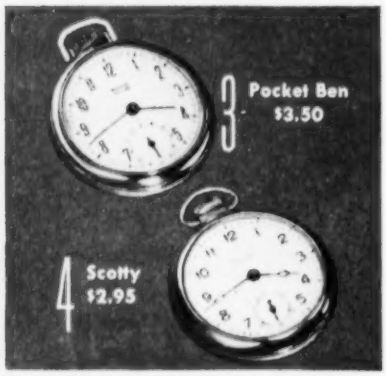
STANDARD

HARD WORK NEVER HURT A WESTCLOX WATCH



1 **JUDGE.** Westclox finest! Shock, dust and water resistant. Sweep second hand. Stainless steel back. Non-breakable crystal. Luminous dial. Guaranteed for a year. Only $12.95.

2 **ROCKET.** Smartly styled for rugged use. Shock resistant. Sweep second hand. Stainless steel back. Non-breakable crystal. Guaranteed for a year. $6.95. Luminous dial, $7.95.



3 **POCKET BEN.** Champion of pocket watches. Thin and good-looking, this watch "can take it." Non-breakable crystal. Only $3.50. With luminous dial, Pocket Ben is a dollar more.

4 **SCOTTY.** Smartly-designed, with typical Westclox sturdiness. Plain, easy-to-read numerals and attractive hands. Non-breakable crystal. Plain dial. A real bargain at only $2.95.

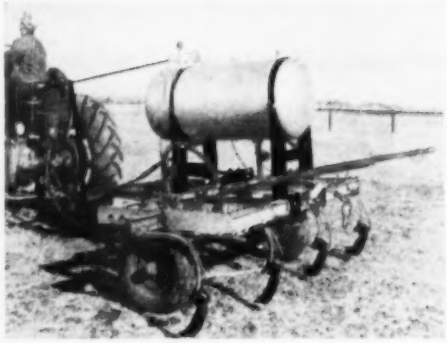
Prices do not include tax and are subject to change

WESTCLOX
Watches

MADE BY THE MAKERS OF **BIG BEN**
La Salle-Peru, Illinois

PRODUCTS OF GT CORPORATION

WHAT'S NEW IN FARMING ®

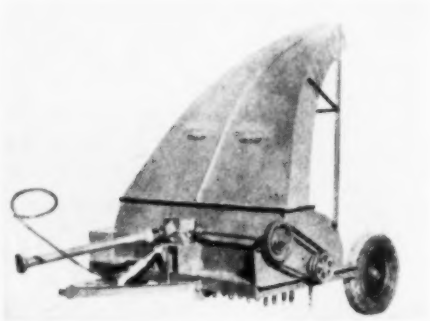


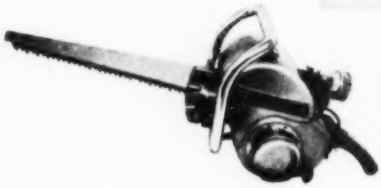
Fertilizer applicator. A Graham-Hoeme plow, any size, can be adapted to anhydrous ammonia application in less than 3 hours.

Tank, 100- or 200-gallon size, can be secured from ammonia supplier. The fertilizer passes through knife adapters; is controlled from tractor seat by valve control extension.—*Andrews Machine Co., Villa Grove, Illinois.*

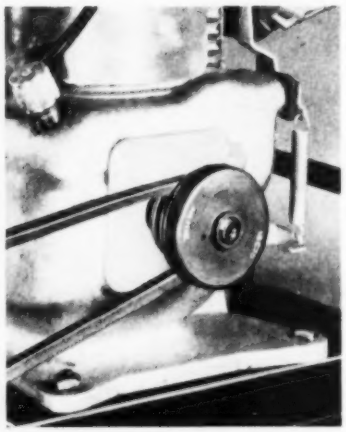
Forage chopper. Replacing revolving chains with knives and adding a blower has converted this crop pulverizer into a machine that shreds, chops the crop.

Either standing or windrowed crops can be handled and blown into the wagon or baler, according to the manufacturer.—*Brady Manufacturing Corp., S.E. 30th and Granger, Des Moines, Iowa.*

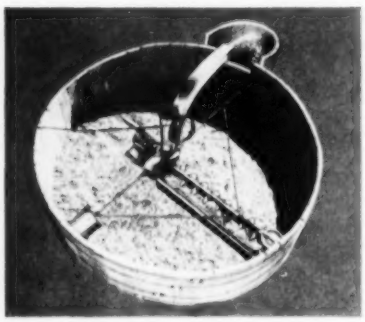




Power saw. A reciprocating, 18″ saw blade, directly connected to the engine, is dynamically balanced for safety and easy operation, according to manufacturer. Blade change takes 30 seconds, kerf is 3/16″.—*Wright Power Saw and Tool Corp., 292 Longbrook Ave., Stratford, Connecticut.*



Automatic clutch. Designed for use with gasoline engines on garden tractors, elevators, pumps, power mowers, this unit eliminates belt tightener. Variable-pitch pulley acts as an automatic transmission as engine speeds up. Available for ½″, ⅝″, ¾″, 1″ drive shafts. —*V-Plex Clutch Division, Hagerstown, Indiana.*



Silo unloader. Said to handle all types of silage, frozen or not, this unloader has cutting knives attached to auger. Silage is thrown—not blown—into chute. Only every other silo door need be removed.

Unit operates on one motor and is driven by lugged driving drum that can be filled with sand for extra weight if necessary.—*Clay Equipment Corp., Cedar Falls, Iowa.*

New spring-wheat variety. Proved by plant geneticists of United States Department of Agriculture and University of Minnesota to be resistant to stem rust, Willet has now been released to growers for seed increase. Supply available in 1955.

Oil, grease absorbent. Silica material soaks up liquids without leaving slick surface.—*The Soakup Corp., 646 Chestnut St. S.W., Grand Rapids, Michigan.*

The new 1954 Chevrolet Delray Coupe. With three great series, Chevrolet offers the most beautiful choice of models in its field.

Why saving's such a pleasure in this smart new Chevrolet . . .

Sometimes saving money means cutting down on things you want. Not so—when you drive a new Chevrolet!

FIRST OF ALL, there's a lot of pride and pleasure for you in Chevrolet's lasting good looks. It's the only low-priced car, you know, with Body by Fisher. And *that,* you know, means smarter styling outside and in, and more solid quality through and through.

THEN THAT FINE AND THRIFTY Chevrolet performance is always a special pleasure. Chevrolet's high-compression power—highest of any leading low-priced car—brings smoother, quicker response and important gasoline savings, too. Here's one car that's really easy to handle and park in town, and that gives you solid and steady big-car comfort on country roads.

AND BEST OF ALL, maybe, is the eager, quiet, uncomplaining way your Chevrolet keeps on going wherever and whenever you want to go. You won't find another car with such a great name for serving its owners reliably and economically over the years.

Your Chevrolet dealer will be glad to show you what a pleasure it is to save with a new Chevrolet. With all its style, performance and reliability, Chevrolet is priced below all other lines of cars. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

BRIGHT NEW IDEA IN INTERIORS! The interior of the new Chevrolet Delray Club Coupe is all vinyl, in colors that harmonize with the exterior finish. It's as practical as it is beautiful, for the vinyl is easily washable and amazingly resistant to scuffing and wear.

YEAR AFTER YEAR MORE PEOPLE BUY SYMBOL OF SAVINGS **CHEVROLET** EMBLEM OF EXCELLENCE **CHEVROLETS THAN ANY OTHER CAR!**

EXCLUSIVE TRAILING HUSKING BED of the No. 20 Mounted Picker takes weight off tractor. Biggest husking bed in NEW IDEA history. 10 husking rolls, each over 40″ long with individual presser wheels put the cleanest corn you've ever seen into your wagon. With a No. 20 you are free to switch tractors. This means wider choice in tractor buying, better trade-in, higher resale value. Drive into snapping unit, attach 4 bolts, (no hoists needed), back up, hitch to husking unit; connect husking unit power shaft and go.

New Idea harvests your

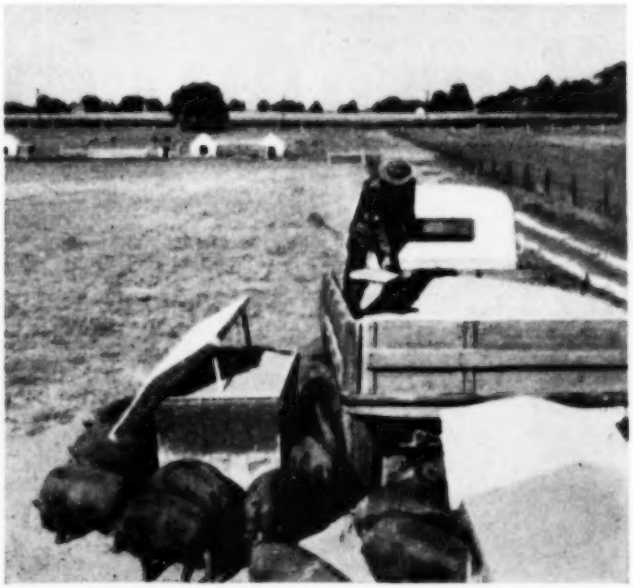
WINNER OF MORE CONTESTS than any other . . . No. 7 one-row pull-type picker. Picks clean — 8 to 12 acres a day. Rigid box frame keeps parts in alignment for long life. Easily adjusted snapping rolls. Floating points and triple gathering chains funnel in tangled and down stalks. 2-row model handles 12 to 18 acres a day.

HUSKING BED on both pull-type pickers has extra long rolls, individual presser wheels and oversize fan. Thick or thin, damp or dry ears are husked *clean;* husks and loose trash are blown into the bite of the rolls, and the shelled corn saver hoards the few loose kernels, putting them into the wagon.

SNAPPING UNITS ARE EASY TO WATCH and control hydraulically from tractor seat. True-tracking, wide clearance caster wheels plus wagon hitch under husking bed let this compact rig turn in the same radius as tractor. Wagon elevator clutch, ear deflector and clearances between snapping rolls are all easily controlled from the tractor seat.

ALL-PURPOSE ELEVATOR with bridge-type trussing, box-crimped sides, stays in alignment. 17½″ trough. 26′ to over 50′ lengths. 4′, 8′, and 10′ sections permit 2′ variations. Double chain (No. 55 or 62) rides on wood strips. PTO, gas engine or electric drive. Easy to raise, move and store.

corn as if it were gold!



ONLY 5,082,000 FARMS TODAY . . . compared to 6,096,000 farms in 1940. Inefficient farmers lose out. Efficient farmers are building bigger and better farms, solid futures; and they demand efficient equipment. NEW IDEA has grown steadily through these years because NEW IDEA machines keep proving their worth to successful farmers.

You can measure in dollars the importance of getting *all* of your corn in the crib; husk-free, with minimum shelling. NEW IDEA corn pickers, wagon boxes and elevators harvest your corn the way you want . . . as profitably as possible.

And you can rely on these NEW IDEA machines to do their jobs — efficiently, economically — harvest after harvest, for more years. With NEW IDEA, you spread your equipment investment over extra years; you are free to change makes or models of tractors anytime; you get higher trade-in values.

Your NEW IDEA dealer can demonstrate the sound values built into this equipment. Stop in and convince yourself. Find out why more farmers own NEW IDEA pickers than any other make.

NEW IDEA

FARM EQUIPMENT COMPANY AVCO

Dept. 1301, Coldwater, Ohio

Please send free illustrated literature as checked:

- ☐ No. 20 Mounted Picker
- ☐ One-Row Pull-Type Picker
- ☐ Two-Row Pull-Type Picker
- ☐ Elevators
- ☐ Stalk Shredder
- ☐ Wagon & Wagon Box

Name _____

Address _____

Cheer up, little lady!

Now we can
feed away scours

Only 3 out of 4 survive!

24 percent of all dairy calves never reach maturity, according to national figures—and many others fail to make good producers. But there is help for this costly situation! New milk replacers for calves and calf starters (both fortified with Terramycin) have proved they produce extra growth 15 percent or better and greatly reduce scours and other intestinal disorders.

• • • •

Best news for dairy farmers in a long time is the way Terramycin helps calves . . . promoting fast growth and at the same time reducing scours and other intestinal disorders.

Extra growth from Terramycin averages 15 percent or better, producing big, growthy heifers for herd replacement. Reduction of scours solves one of the most serious problems in calf raising. Many herdsmen report complete control of these troublesome diseases just with Terramycin in the feed.

See your feed dealer. Find out how to clean up those scoury, poor-doing calves with Terramycin . . . in the milk or milk replacer during the first week or so, and later in a good calf starter fortified with Terramycin. So get feeds fortified with Terramycin from your feed dealer now.

Terramycin
BRAND OF OXYTETRACYCLINE

. . . from the world's largest producer of antibiotics

Pfizer

Chas. Pfizer & Co., Inc.
Brooklyn 6, New York
Headquarters for antibiotics and vitamins for animal health and nutrition

TERRAMYCIN® • PENICILLIN • DIHYDROSTREPTOMYCIN • POLYMYXIN

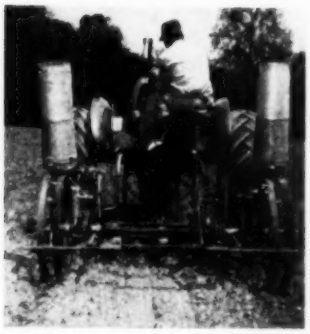
SUCCESSFUL FARMING'S NEWS IN PICTURES

Des Moines, Iowa—Let's go to the fair! Here's a typical scene at the Iowa State Fair. State-fair dates are: Ill.—Aug. 13 to 22; Ind.—Sept. 2 to 10; Iowa—Aug. 28 to Sept. 6; Kans.—Sept. 18 to 23; Mich.—Sept. 3 to 12; Minn.—Aug. 28 to Sept. 6.

Mo.—Aug. 21 to 29; Nebr.—Sept. 5 to 10; N.Y.—Sept. 4 to 11; N. Dak.—July 26 to 31; Ohio—Aug. 27 to Sept. 3; Okla.—Sept. 25 to Oct. 3; S. Dak.—Sept. 6 to 11; and Wis.—Aug. 21 to 29.

Jersey City, New Jersey—Liberty ships—305 holding 70 million bushels—are being used to store C.C.C.-owned wheat. Picture shows barge elevator loading ship.

Jerseyville, Illinois—A subsoiler is being used by William Parsell to break up a tight subsoil. Here, he marks off the depth, which ran from 21 to 25 inches. Cost was about $6 an acre, will last for 3 or 4 years.



Martinsville, Indiana—Two new corn-raising ideas, wide-row corn and wheel-track planting, were combined by James Coleman to plant 70 acres.

An old corn planter was widened and mounted for $65.

◀**Van Nuys, California**—Egg-vending machines are the latest in mechanized salesmen. From March to July, egg sales from this vender jumped from 417 dozen to 1,326. Egg venders are located on poultry farms, in food stores, near heavily traveled intersections.

Manhattan, Kansas—Man-made wind moved 24.4 tons of soil per acre in this field. Using a portable wind tunnel, W. S. Chepil, Kansas State College, found the amount of crop residue to be biggest factor in wind erosion. Losses ran from .06 tons to 230 tons.

Photographs: Kansas State College, Salverson, Wilson; U.S.D.A., Geiser

Purolator's tips for FARM MECHANICS

Removing power take-off shield invites accidents

Tractor dealers report—again and again—serious accidents resulting from exposed power take-offs. Take-off shields were invented to protect *you!* When you remove them, you defeat the best efforts of safety engineers who have spent a lifetime learning how to prevent accidents. The small inconvenience of a safety shield is as nothing compared to the threat of crippling accidents or even loss of life. Think twice before you junk that safety shield. Your work won't get done any faster if you lose an arm or leg!

Fresh oil filter refills protect your engine! Dirty engines wear out faster, cost more to operate. Fresh-oil filter refills keep your engine clean inside; reduce bearing, ring and cylinder wear; help prevent sticking rings and power wasting blow-by. When buying oil filter refills, follow your manufacturer's recommendations. Don't accept substitutes. A filter of the wrong kind or inferior quality can ruin an expensive engine. Pennies saved by skimping on filter refills may cost dollars in repair bills later!

Use Purolator* refills in cars and trucks, too! Famous Purolator Micronic* refills—made by the originators of automotive oil filters—trap dirt particles so small you can't see them; have up to ten times more filter area than old-style filters. Next time you have oil changed, tell your service man to put in a fresh Purolator refill... priced low, but the best at any price!

*Reg. U. S. Pat. Off.

PurOlator
World's Finest **OIL FILTER**

THE FARMER'S WASHINGTON®

- **Here's administration view on diverted acres**
- **Secretary Benson belittles support on basics**
- **Eisenhower's farm-program approach defined**

By Richard Wilson

Diverted acres. Some critics of administration farm policy were long puzzled over the reluctance of the Benson regime to take action in controlling acres diverted from basic crops.

This diversion happens in the acreage allotment programs and particularly affects Midwest farmers. The question arises most often when restriction of corn acreage is attempted, but it also is a problem with respect to other basic crops.

Acres taken out of the basic crops are planted in some other crop, and it is hard for some critics to see how, in the end, there is any basic adjustment in food production.

Now, Undersecretary of Agriculture True D. Morse has *officially* advised Congress that U.S.D.A. wants no provision in the law to control diverted acres. And Secretary Benson has taken administrative action in this connection. (See page 4.)

Some question whether any administrative action will be effective *if not backed by law* and consider this lack of control as the *biggest loophole* in the farm program.

Statistics—for what purpose? Secretary Benson has released figures showing that in a great many of the big farm states only a small percentage of farm income comes from crops with "high rigid" price supports.

The survey showed that farm income from commodities with 90-percent price supports run comparatively low in these states: Iowa, 8 percent; Minnesota, 7 percent; Illinois, 21 percent; Indiana, 15 percent. In the wheat and cotton states, these figures ran *much* higher.

Two points in the secretary's statements on the survey especially need clarification. One is that there are *indirect benefits* of supports on farm income. The other is that supports help *stabilize farm income*.

The wording of the secretary's survey would have been *correct* if the word *direct* had been inserted before *farm income* in quoting effect on basics on your income—or if it had been made clear that indirect benefits were *not* included.

The point is that support on corn, for instance, has quite an effect on the prices of hogs and beef cattle—and thus on farm income in Iowa, Illinois, and other livestock-feeding states.

The results of the survey were presented by Secretary Benson to convince Congress that "high rigid" supports don't mean much to Midwest livestock states.

And speaking of politics in the farm program, several members of the agriculture committees in Congress have expressed the belief that Mr. Benson dragged his feet in using surplus farm products—to make the idea of continuing 90-percent supports look worse.

Gradualism. President Eisenhower has now publicly defined his attitude toward the farm problem. Any changes should be gradual, he thinks.

Some observers here believe that, basically, the "gradualism" idea in agriculture means a slow deflation of the farm-price structure. This is the point where administration denials begin to arise. But, denials or not, some critics see the *deflation*—slow, to be sure—*as the true direction of present policies.*

Committee changes. Recent changes in methods of electing county and community A.S.C. committees are seen as an effort by Secretary Benson to break farm-organization control of these agencies.

To put it bluntly, a little Republicanizing is being done. Or, if that's an overstatement, at least the balance of nature is being restored.

The main points are these:

1. Creation of county and community election boards to conduct elections.

2. Limitation to three of the number of consecutive terms a farmer may serve as a county or community committeeman. An exception is where all three members of the *county* committee have already served three consecutive terms. Then *one* member is eligible for election to *one* additional term.

3. Officials of general farm organizations can't serve as members of county A.S.C. committees.

4. County committeemen are prohibited from acting as sales agents or employees of the Federal Crop Insurance Corporation, marketing quota review committeemen, or as employees of their own county offices.

Other revisions provide for the removal of county and community committeemen, county office employees, and election-board members *only* by a majority vote of the *state* A.S.C. committee. **END**

"Champion Spark Plugs help us till the soil on which 'Light Horse Harry' Lee camped in 1779"

—says MR. VERNON HULL, Manager, Lee's Hill Farm, New Vernon, N. J.

When "LightHorse Harry" Lee, then a Major, combined three continental cavalry troops and one infantry unit to form Lee's Legion, the camp ground he selected was a hill a few miles below Morristown, N.J. Today, Lee's Hill is both the site and the name of the farm owned by Mr. and Mrs. Warren Kinney—a farm devoted to the breeding and developing of Brown Swiss cattle. This 115 head herd has been a consistent winner of top honors for the breed. Again Premier Breeder and Exhibitor at the Waterloo show, the 1953 honors included eight blue ribbons and Grand Champion cow. In addition, the Grand and Reserve Champion bulls and the Reserve Champion cow were bred at the farm. The farm's top producer, Royal's Rapture of Lee's Hill—eleven years old, Excellent for type, Grand Champion in 1949—already has a butterfat production total of over 7000 pounds.

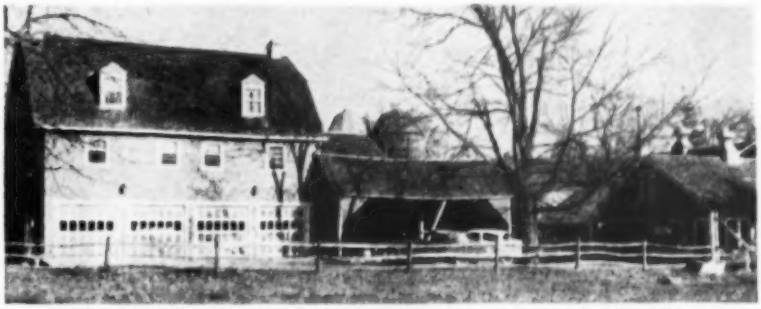
Vernon Hull, Farm Manager, says, "In the over 60 years the Kinneys have had Lee's Hill, the farm's first and main job has been the continuous improvement of the Brown Swiss Breed. Everything else has to contribute to this project. As far back as I can remember we have made a practice of using Champion Spark Plugs. Their dependability in any kind of engine in all kinds of weather has been a real help in the efficient operation of the farm and the successful development of our herd."

CHAMPION SPARK PLUG COMPANY, TOLEDO 1, OHIO

Lee's Hill has well kept buildings and much well thought-out equipment. For example, tractor-spreader units are loaded below ground level with the manure brought directly from the barn on a conveyor. A gate-like section of the track swings clear when not in use.

Besides this two-ton truck, the farm has a panel truck, a pick-up, three tractors, combine, and field chopper plus the farm cars. All engines are equipped with Champion Spark Plugs.

The farm's famous Brown Swiss breeding herd has been in operation since 1890. Classified "Excellent" cows bred at Lee's Hill have made the seven highest production records in the breed.



Lee's Hill Farm proper covers 300 acres with 200 additional acres leased. One hundred acres is in pasture, 100 in hay, 55 in corn, 40 in barley, and 30 in oats. There is also a 20-acre orchard. The farm has a beautiful natural setting with many stately, century-old trees.

It pays to standardize on—

DEPENDABLE CHAMPION SPARK PLUGS

—for every type of farm engine!

For Golden Honey Flavor
—IT'S
Post's SUGAR CRISP

A Product of General Foods

LATEST IN FOODS

Here is information about new products, ready-to-eat foods, the latest in food packaging, and new seasonings

● **Prepared fillings** for cakes, pastries, desserts, and breads are being offered by one manufacturer. They are ready to use as they come from the can, and there is a selection of six different kinds: poppy, prune, apricot, almond, date nut, and rum raisin. The fillings are packed in 12-ounce cans, the labels having recipes and suggestions for use.

● **Frozen fruits** packed in cans are being produced. Pineapple chunks, strawberries, boysenberries, peaches, rhubarb, red raspberries, and blueberries are packed in 10½-ounce cans. Red sour cherries are packed in a 20-ounce can.

● **Breads and cakes** in cans are on the market after three years of intensive research and marketing experimentation. The products are baked in the cans and said to remain fresh indefinitely. They are ready to eat, although they may be heated in the oven for added flavor if desired. A variety of both regular and dietetic items is available.

● **A special hamburger relish** is now available. It is similar to an old-fashioned chili sauce with chopped pickles, onions, and green and red peppers added. The relish can be used as a garnish for other meats as well and in any dish that calls for chili sauce and pickle.

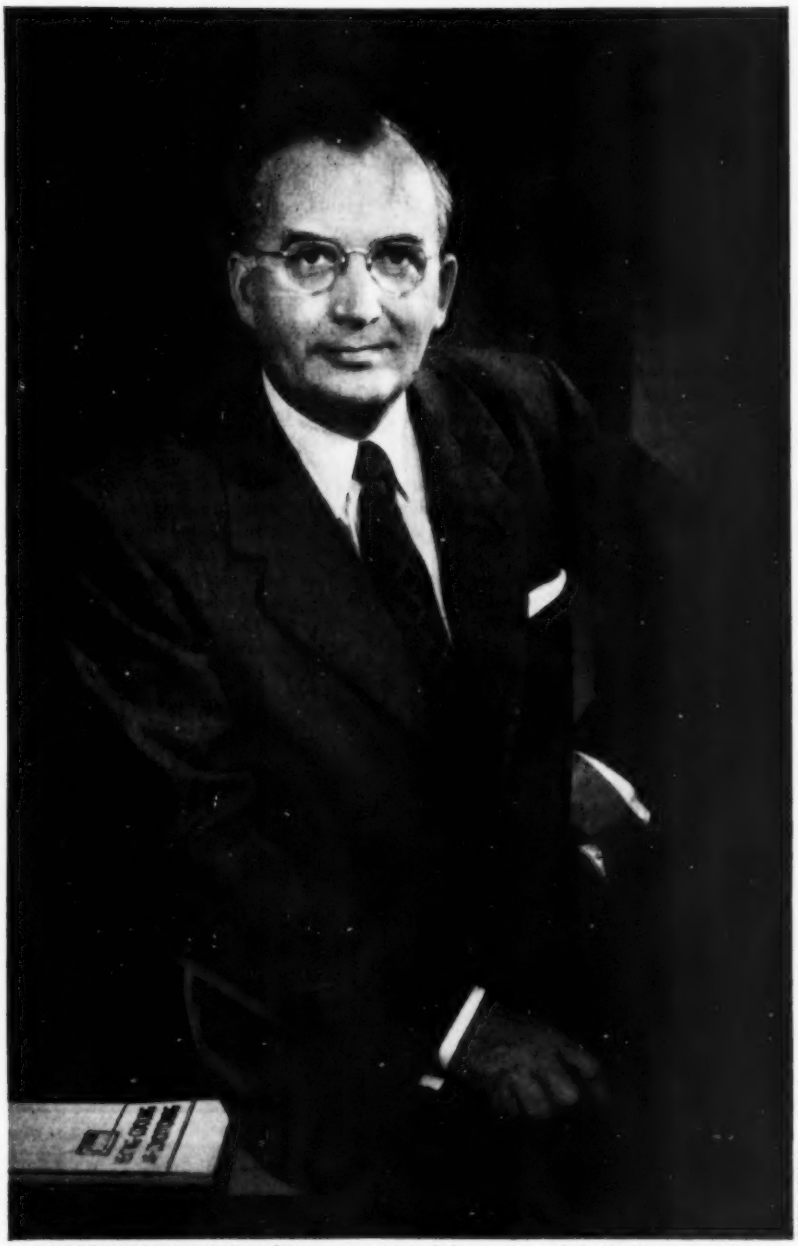
● **A brown-and-serve sausage** that is fully cooked and needs only a brief heating has been introduced. The sausage leaves almost no drippings, since waste fat is removed during processing. The half-pound package gives four to five servings.

● **Liquid mint** in a shaker-top bottle is now on the market. Made of pedigreed mint leaves, it contains no alcohol, sweetening, or vinegar. It can be used to add a fresh mint flavor to a variety of foods. Desserts, beverages, and sauces are only a few of the possibilities.

● **Chicken-noodle dinner** for children has been added to one company's list of baby-food products. The 12 ingredients used in the recipe are said to be blended to a consistency that makes it easier for a youngster to feed himself.

● **Dietetic lemonade concentrate** is being manufactured. It is packed in an 8-ounce can and requires only the addition of water to make a quart of sweet lemonade. The product is sugar-free and is distributed in both frozen and non-frozen forms. **END**

"Does security make sense for the young man who wants success?"



BARSH OTTABA

A NORTHWESTERN MUTUAL POLICYHOLDER. *Life insurance with the Northwestern Mutual plays a significant part in Mr. Coleman's personal program. He owns a total of 13 individual policies with this company.*

A helpful appraisal

by **SHELDON COLEMAN**

President, The Coleman Company, Inc.
Makers of Coleman Heating
& Air Conditioning Equipment
Wichita, Kansas—Toronto, Canada

"WHAT are the driving forces behind the successful man? Certainly a natural eagerness to excel is one. The desires for recognition and material possessions are others.

"What about *security?* We think of the successful man as a kind of adventurer, rather than one who plays it safe. But I have observed that, from his earliest planning, he usually shows a proper respect for security. Adventurous as he may be in business, he is cautious where his family's welfare is concerned.

"Show me the financial arrangements of any ten top men, and I am confident life insurance will be the cornerstone for nine of them. In my opinion, ambitious young men would do well to follow this example.

"Through life insurance, a man can project his earning ability far into the future for the benefit of his family. And with this prime responsibility cared for, he has greater freedom to organize his efforts toward success."

WHY POLICYHOLDERS ARE SO LOYAL TO NORTHWESTERN MUTUAL...

THIS company is one of the largest in the world, with 97 years' experience and a reputation for low net cost.

This emphasizes that there are significant differences among life insurance companies. It is one reason why each year nearly half the life insurance issued by this company goes to those already in the Northwestern Mutual "family."

Have you reviewed your life insurance program within the last two years? You'll find a distinct advantage in calling upon the skill and understanding of a Northwestern Mutual agent.

The NORTHWESTERN MUTUAL *Life Insurance Company*

MILWAUKEE, WISCONSIN

ATHLETE'S FOOT?

Time for Absorbine Jr.

Here's America's time-proven relief!

● Raw cracks between the toes mean Athlete's Foot can strike, especially in summer when hot, damp feet make an ideal "hothouse" for parasitic micro-organisms. When left untreated, Athlete's Foot can require doctor's care. Don't let it happen to you! Get after Athlete's Foot symptoms—fast—with Absorbine Jr.

In 3 out of 4 cases tested under strictly controlled clinical conditions, Absorbine Jr. proved successful in relieving Athlete's Foot misery. It kills all the Athlete's Foot fungi it can reach—*regardless* of what combination is present! It dissolves perspiration products, promotes skin healing, too.

If you have *any* signs of Athlete's Foot, use Absorbine Jr. To help prevent reinfection, boil socks 15 minutes. Play safe . . . use Absorbine Jr. daily during summer months. Absorbine Jr. is on sale at all drug counters.

Sunburn? Thousands of sufferers use Absorbine Jr. for soothing relief from minor sunburn. Try it!

W. F. Young, Inc., Springfield, Mass.

Guaranteed by Good Housekeeping

ABSORBINE Jr.

SUCCESSFUL FARMING REPORT

"Squirt on" 10-10-10

Here is the latest report on our newest form of fertilizer—complete-analysis solutions

Complete, high-analysis liquid fertilizers such as 10-10-10 are no longer a prediction. They're real to farmers in central Indiana and Illinois.

Many farmers in these states had liquid fertilizers custom-applied in the spring of 1954. Others put them on with their own rigs (see pictures below).

You may not be able to get complete high-analysis liquids for a while, but they're coming fast.

• The new liquids are made in small plants by mixing ammonium hydroxide and phosphoric acid, both liquids. Then, urea crystals and dry muriate of potash or potassium chloride are added to the liquids. The result is a stable solution. Coloring is added to identify the various analyses.

• Many different analyses are possible. One Indiana manufacturer is making everything from 3-10-10 to 20-5-5.

• Prices are about the same as those of dry fertilizers. In both Illinois and Indiana, liquid 10-10-10 is spread for the same price as dry, bulk 10-10-10.

• Since the liquids are made in small plants, custom applicators can give quick service to their locality. Each plant services a relatively small territory.

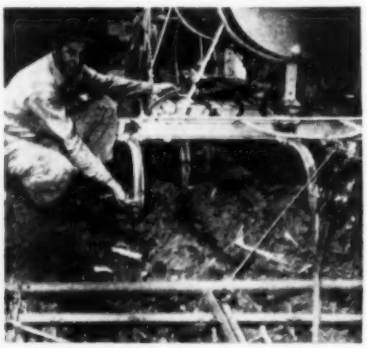
• Liquid fertilizers can be transferred from storage to the applicator tank by the tractor power take-off pump. The job of buying, storing, and wrestling with fertilizer bags is eliminated.

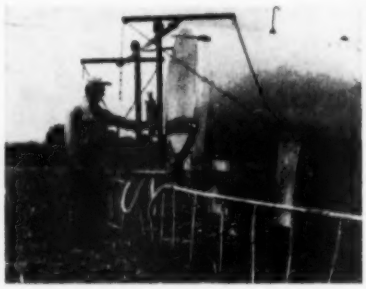
• Liquid fertilizer can be carried on the tractor, in tanks mounted up, out of the way, or on machinery. You can put down complete liquids when you plow, disc, or plant. The size of the nozzle opening and speed of the tractor determines how much liquid you're getting on. Farmers say they're easy to apply in accurate amounts.

• Equipment needed is about the same as that required for nonpressure nitrogen solutions. Plastic-lined or aluminum tanks and stainless-steel fittings and nozzles are needed to resist corrosion.

The first farmers to use them like the new liquids

Mounted on tool, a 300-gallon tank was used by Raymond Haynes of Piatt County, Illinois, to apply liquid 16-8-8 by gravity. Haynes applied 600 pounds per acre

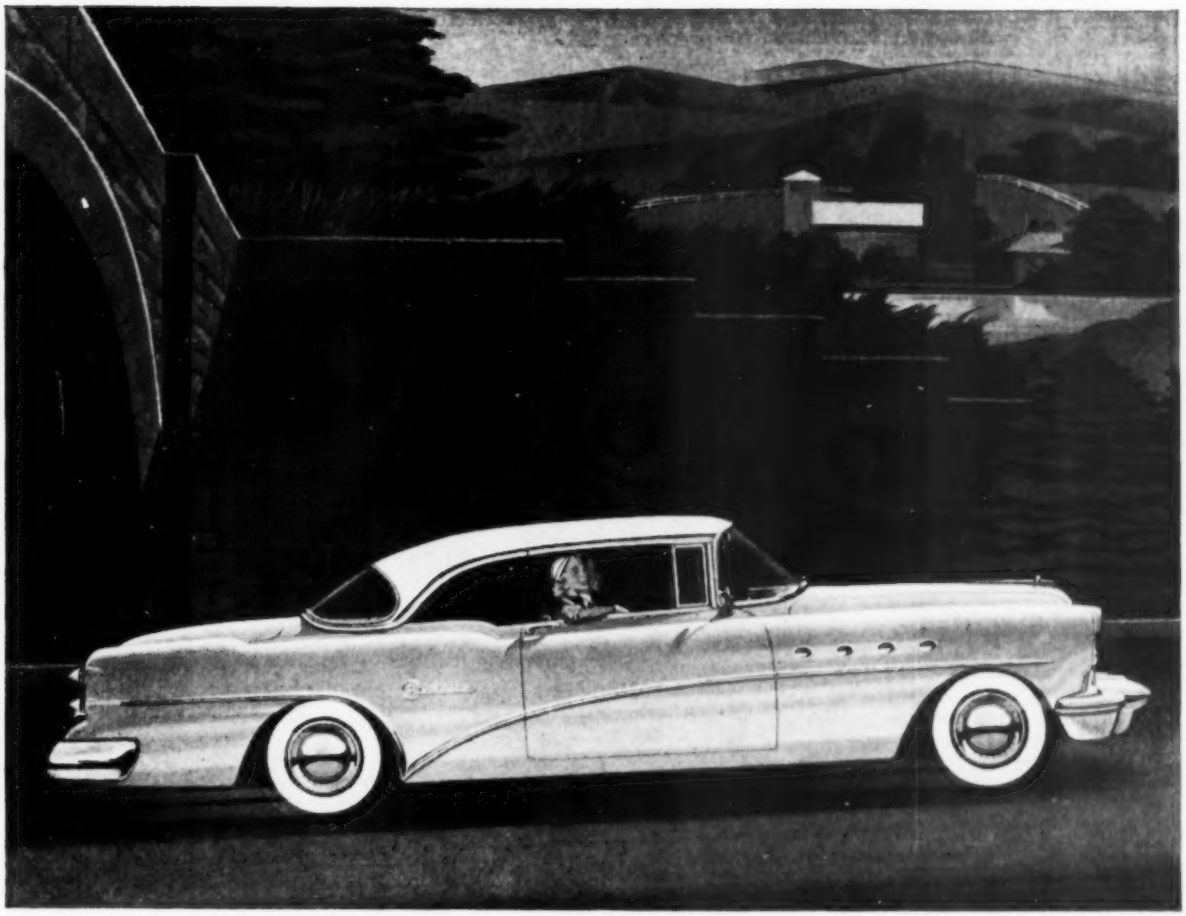




Custom applicator Jack Doctor of Boone County, Indiana, covers 200 acres a day. Doctor says farmers like custom-applied liquid fertilizers—they save time, work

Photographs: Geiser

With tank on tractor, Paul Stinson of Clinton County, Indiana, applied liquid 10-10-10 when planting corn. Like Haynes, Stinson didn't use any pressure. Liquid ran from tank through planter by gravity



Each day you drive is a new adventure

To our way of thinking, you have every right to expect something far more than the usual when you buy a fine car.

So we custom build ROADMASTER to that measure, and well beyond.

But words alone can't tell what a rare and constant pleasure this Buick of Buicks really is — to look at, to drive, to own.

They can't explain the deep sense of pride you feel day after day at the wheel of the most modernly styled car of the times . . .

Or the never-ending thrill that's yours at commanding great power in velvety and instant response . . .

Or the ever-fresh elation of traveling through the magic of Twin-Turbine Dynaflow, where your forward sweep is as infinitely smooth as the swell of the sea . . .

Or the mile-after-mile magnificence of your ride, where coil springs on all *four* wheels — plus a host of other unique engineering features — set an envied standard in the fine-car field . . .

Or — through all the weeks and months of miles before you — the joyous ease you find at your finger tips from the artful assistance of Safety Power Steering, the precision control of an ingenious new front-end geometry, the beautiful balance of two brawny tons of spirited automobile.

As we said, words alone won't do. But a sampling of this great car will begin the adventure.

Your Buick dealer will be very happy to arrange a ROADMASTER demonstration for you. See him this week, won't you?

BUICK *Division of* GENERAL MOTORS

ROADMASTER *Custom Built by* BUICK

WHEN BETTER AUTOMOBILES ARE BUILT BUICK WILL BUILD THEM

"I drink all the coffee I want...

I get all the sleep I need!"

DON'T STOP DRINKING COFFEE... JUST STOP DRINKING CAFFEIN!

If you've been losing precious sleep at night, don't give up coffee. Just give up *caffein*—for it's the nerve-jangling caffein in ordinary coffee that can keep you tossing and turning.

Make the wise move millions have made. Switch to New Extra-Rich Sanka Coffee. It's one of today's most flavorful coffees, and it's 97% caffein-free—gives you all the *goodness* of fine coffee, yet *can't* keep you awake. Try it!

Products of General Foods

DELICIOUS IN EITHER INSTANT OR REGULAR FORM

NEW EXTRA-RICH

SANKA COFFEE

It's delicious! It's 97% caffein-free! It lets you sleep!

WHAT'S NEW IN HOMEMAKING®

Old homespun look in this new wool carpeting goes well with either Modern or Provincial room furnishings. The carpeting has rich-looking, practical colors—tones of green and brown, accented by brick red.

It costs less than $9 a square yard at dealers.—*Magee Carpet Company, Bloomsburg, Pennsylvania.*

Table-chest is convenient both as a lamp table and as a silver chest. Table has mahogany veneer—either blonde or dark—and drawer pulls are solid brass.

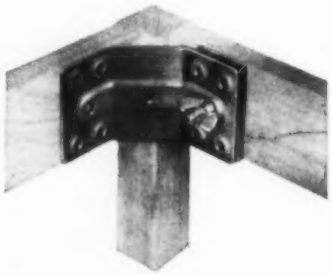
Chest comes with four place settings of sterling, eight place settings of stainless steel. Costs $176 to $199, complete, depending on pattern selected. At jewelry and department stores.—*International Silver Company, 48 State, Meriden, Connecticut.*

◄ **Lightweight television set**—only 50 pounds—is easily moved. Although the set has a 17-inch screen, it is just 14 inches high, occupies 2.5 cubic feet.

In walnut, dark or blonde mahogany, the set sells for $139.95 to $159.95, at dealers.—*Crosley Division, Avco Manufacturing Company, Cincinnati, Ohio.*

Water-hardness testing kit may give you convincing evidence that your home needs a water softener. You may be surprised to see your water compared to soft water and to discover how much soap you waste!

If you have a water softener, the kit will help you know how often to regenerate it. Kit is *free* from: *Culligan Soft Water Institute, Northbrook, Illinois.*



Corner-Lock-N-Brace is the handyman's answer to the problem of reinforcing corner construction on bedframes, chairs, tables, and knockdown furniture. It's ideal to strengthen new pieces or to repair old ones.

At hardware stores, $2.95 per set, or postpaid, ordered from: *Rudolph Industries, 283 West 16th Street, Holland, Michigan.*

Betty Crocker
OF GENERAL MILLS

"3 steps we take to help you get EXPERT RESULTS with everything you bake!"

Betty Crocker's 3 Steps—

1 Day after day we test Gold Medal Flour with all kinds of bakings to insure its dependability.

2 Next, we develop recipes to take fullest advantage of Gold Medal's superior baking qualities.

3 Then, all over the country, homemakers like you kitchen test our Gold Medal recipes. *Use these recipes*... so you can get expert results with everything you bake.

"Surprise! It has a HIDDEN CRUST! Even between two layers of filling, the inner crust stays tender-crisp."

HIDDEN CRUST PIE

1 1/2 cups *sifted* GOLD MEDAL Flour
3/4 tsp. salt
1/2 cup shortening
3 tbsp. water
Chocolate cream filling for 9 inch pie

Heat oven to 475° (very hot). Mix flour and salt; cut in shortening. Sprinkle water over mixture, mixing with fork until dough clings together.

Divide dough as in picture. Round up larger piece on lightly floured pastry cloth. Flatten and roll 1" larger than inverted 9" pan.

Ease into pan; trim and fork edge, prick well with fork. Roll smaller piece into 6" circle. Place on inverted pan; prick well. Bake circle 8 min., shell 10 min., at 475°.

Pour in half of filling; top with "hidden crust." Add rest of filling. Chill. Serve topped with whipped cream and shaved chocolate.

THIS EASY GOLD MEDAL RECIPE HAS BEEN CAREFULLY TESTED FOR EXPERT RESULTS

New, Revolving Shelves put all foods at your fingertips!

A simple twist of the wrist, and the back area of the Revolving Shelves is right in front. Furthermore, the inside refrigerator walls are rounded to accommodate *extra-large* shelves.

You *see* what you want. You *pick up* what you want without overturning other foods. No more hard-to-reach corners where leftovers are forgotten.

You can widen—or narrow—the spacing between these sturdy shelves to accommodate bottles, jars, bowls and pies without removing the food *and without lifting the shelves.*

Model illustrated holds more than 12 cubic feet of fresh and frozen foods! G-E models priced as low as $210.48.

See them at your G-E dealer's. Look for his name and address in the classified telephone directory. General Electric Company, Louisville 2, Kentucky.

ABOUT $5.25* WEEKLY

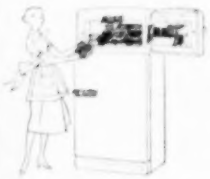
True Combination Refrigerator-Freezer

Model LH-121L

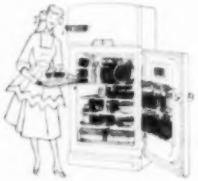
** After small down payment. See your dealer for exact terms. Price of model LH-121L (illustrated) is $525.96. Prices and specifications subject to change without notice.*

There's more shelf room in the new G-E with Revolving "Turn-Out" Shelves than in the previous corresponding General Electric model with conventional shelves.

General Electric Refrigerators are available with either right- or left-hand doors.



Two separate and complete appliances in one cabinet!



The true, zero-degree freezer is built just like a floor-type freezer. Has its own separate refrigerating system, its own separate door. Keeps up to 89 packages of frozen foods as long as a year.

Automatic defrosting refrigerator section is *completely* automatic. No clock to set, no buttons to push, no pans to empty. Humidity is controlled so that foods remain *moist-cold* and *fresh.*

So dependable. More than 3,500,000 G-E Refrigerators in use 10 years or longer!

GENERAL ELECTRIC

Commodity Credit Corporation inventory May 12, 1954. Estimated population on May 15, 1954 was 162 million

Commodity	Total quantity	Quantity per person
Cotton, upland	66,724,000 lbs.	.41 lb.
Cotton linters	630,913,200 lbs.	3.89 lbs.
Butter	373,452,000 lbs.	2.31 lbs.
Cheese	385,776,000 lbs.	2.38 lbs.
Dried milk	284,536,000 lbs.	1.76 lbs.
Barley	2,608,000 bu.	.02 bu.
Corn	392,441,000 bu.	2.42 bu.
Oats	3,756,000 bu.	.02 bu.
Wheat	593,838,000 bu.	3.67 bu.
Rye	562,000 bu.	less than .01 bu.
Flaxseed	5,135,000 bu.	.03 bu.
Dry beans	79,000,000 lbs.	.49 lb.
Seeds, hay and pasture	76,893,000 lbs.	.47 lb.
Seeds, winter cover	32,771,000 lbs.	.20 lb.
Cottonseed cake	130,000,000 lbs.	.80 lb.
Grain sorghum	18,696,000 cwt.	.12 cwt.
Rosin	311,465,000 lbs.	1.92 lbs.
Turpentine	2,178,000 gals.	.01 gal.
Cottonseed oil	858,527,000 lbs.	5.30 lbs.
Linseed oil	41,257,000 lbs.	.25 lb.
Olive oil	462,000 gals.	less than .01 gal.
Peanuts	3,792,000 lbs.	.02 lb.
Tung oil	5,770,000 lbs.	.04 lb.
Tobacco	66,928,000 ozs.	.41 oz.
Wool	91,904,000 lbs.	.57 lb.

Your share of food and fiber in the "cellar" cost $19.38

How burdensome are our "surpluses"?

With the term "burdensome surpluses" fast becoming the bogeyman of agriculture, editors of *Successful Farming* decided to find out just how *burdensome* these *surpluses* really are.

We found that like many things, it depends a lot on how you look at it. For instance, 392,441,000 bushels of corn sounds like a lot of corn. It is a lot of corn. But less than 2½ bushels per person *isn't* much corn—about enough to make 20 pounds of pork ready for the table.

The nine-figure number of bushels of corn above is the amount in Commodity Credit Corporation inventory as of May 12, 1954. The 2½ bushels is the chunk of that inventory *you* own—what you, *one citizen*, have squirreled away in the government cellar. Come war, crop failure, or king-size bugs after the corn crop, a scant 2½ bushels is all the government owns to protect *you* from a meat shortage.

But the butter surplus is worse, you say. Yes, but not really horrible on a per-capita basis. You own 2⅓ pounds of this delightful spread—that's one citizen's share of the 373,452,000 pounds the government had on May 12.

Or consider wheat: Your share is 3⅔ bushels. Or upland cotton, the cotton used for shirts, dresses, and so on: You have less than half a pound.

We aren't arguing for stocks at any *particular* level—just looking at them from a different angle.

We asked some congressional leaders how they view our C.C.C. inventories. They are in a position to get all the facts.

Congressman Clifford R. Hope, chairman, House Agriculture Committee: "Outside of wheat, cotton, and dairy products, we have no surpluses that I would call burdensome."

Senator George D. Aiken, chairman, Senate Agriculture Committee: "We're only running 3 or 4 years ahead of population now."

Congressman Charles Hoeven, Iowa: "Secretary Benson said we have a 4-months supply of corn. In my opinion, that isn't enough."

Yes, there are many different ways to look at our C.C.C. inventory—as a "burdensome surplus," as a strategic reserve, or as a justifiable by-product of the price-support program.

Perhaps the most *burdensome* part of the *surplus* is the incessant talk about it—hurting farmers in the eyes of the rest of the country. **END**

Outdoor cooking tips

Quick way to clean up smoke-blackened pots and pans is with an S.O.S. scouring pad. Soap right in it wipes off grease and smoke, fast!

Easy way to clean crusted utensils — forks, spatulas, grills — is with S.O.S. The sturdy, interwoven fibres cut crust, leave a shine every time.

Yes, the same S.O.S.® that cleans up indoors, cleans up outdoors, too — on picnics, on camping trips, at barbecues. So take a tip—take S.O.S.

The S.O.S. Company, Chicago, Illinois, U.S.A.
S.O.S. Mfg. Co. of Canada, Ltd., Toronto, Ont.

Corn is not fussy about when you apply fertilizer. Left row got fertilizer in fall; right row got same amount in spring. Both gave same yield in Aitkin County, Minnesota.

Apply Nitrogen This Fall

Soils experts agree that "Mr. N" Ammonium Nitrate applied in fall shows good results on most soils

21 leading college agronomists now have given the green light to fall application of ammonium nitrate fertilizer, except on light or sandy soils. This is good news for most farmers who have more work than they can do in the busy spring months anyhow.

Fall fields are in better shape, usually, and it's easier to get your equipment into the fields. Equally important, you're much more likely in the fall to be able to get the brand of ammonium nitrate you want.

Because a shortage of ammonium nitrate is again being forecast for next spring, wise farmers are planning now to lay in a good supply of free-flowing Spencer "Mr. N" this fall. Even if you don't use it all for fall application you're still ahead, because Spencer "Mr. N" is the only ammonium nitrate that comes to you in a polyethylene-lined bag for 100% dryness. It flows freely . . . *even after a full year of storage!* Better see your dealer and order your Spencer "Mr. N" this week.

For fall application apply Spencer "Mr. N"—the ammonium nitrate that flows freely even after a full year of storage. Spencer Chemical Co., Dwight Bldg., Kansas City, Mo.

Aiken names five

"Most important" bills

Five little-noticed bills, which will have a great effect on you, have been or likely will be enacted into laws by Congress by adjournment time. Senator George Aiken of Vermont, chairman of the Senate Agriculture and Forestry Committee, listed these for *Successful Farming*. They are:

Tax saving on conservation costs

A tax bill would make it possible for you to treat, for income-tax purposes, the cost of *permanent* soil-conservation work as current expense. The bill would limit such deductions to 25 percent of your gross income from farming in any one year. The bill would make a big income-tax saving over the present practice—where you have to capitalize the improvement and charge it off when you sell the farm.

Payments for diverted acres

An increase of $55 million for A.C.P. payments would be earmarked for use to encourage farmers to plant diverted acres to legumes and other soil-building crops. States also *can* use part of the *regular* $195 million appropriation for payments to get diverted acres planted to soil-building crops.

Aid for upstream watershed work

The watershed bill would authorize federal financial help to farmers for developing projects to conserve soil and water resources in upstream areas. This bill would give help to *groups* of farmers who want to go together and build terraces, ponds, and dams, and for other water-control structures and practices.

Help with irrigation projects

This comes in the form of a water-facility bill that would *expand* to all states the act that *now* is in effect in 17 Western states. The new bill would make available *insured loans* of up to $250,000 to communities and cooperatives for making more adequate use of water resources. Most important to you might be the development of irrigation facilities for your farm—with the cooperation of your neighbors. The bill limits the insured loan to $25,000 to *any one* individual.

Better grazing on all public land

The idea of this bill, for the improvement of forest range lands, is to bring the *management* of *all* public lands up to the level the Forest Service has today. **END**

2-WAY FORAGE FEEDING

brings the new GREEN PROMISE for livestock

There are two reasons for the contentment and well-being of this thriving herd.

One is a full-packed silo, filled at the exact moment the crop reached its peak of tonnage and nutrition.

The other is a reserve of choice hay in round bales, with an unusual freshness of color and softness of stems. Leaves are sealed inside . . . weather-tight against rain or snow.

What farmer or rancher has not dreamed of feed security like this? Come drouth or freezing storms . . . here is fresh, green nutrition for livestock, 365 days a year! "Springtime grazing" right in your feedlot the year 'round!

Two Allis-Chalmers machines bring it to you at a cost so surprisingly low it permits home ownership of BOTH machines.

Investigate this ideal feeding setup. Ask your dealer how the FORAGE HARVESTER teams with the ROTO-BALER to preserve crops when growth is luxuriant, for worry-free feeding all year long.

ROTO-BALER is an Allis-Chalmers trademark.

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

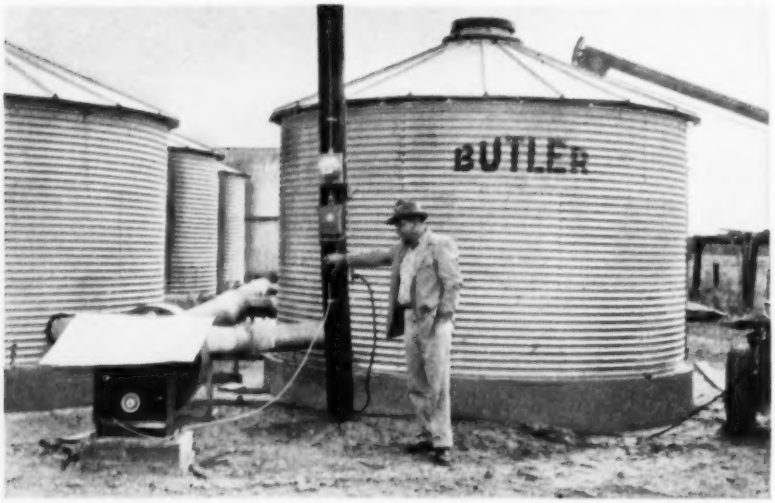
1. FORAGE HARVESTER

Like the ROTO-BALER, it has famous Allis-Chalmers Wide-Flow capacity. Spiraled, cup-shape knives cut and throw big tonnage into truck or wagon. Knives are power-sharpened in the machine by a sliding hone. New SLIDE LOCK attachments easily interchange for all row and hay crops, stalks or straw. A new attachment is available for either side or rear delivery.

2. ROTO-BALER

Makes the first truly weather-resistant bale . . . rain or snow repellent when left on the open range or fed whole in an outdoor feedrack. Self-feeding. Cattle help themselves. Saves endless pitchfork labor.

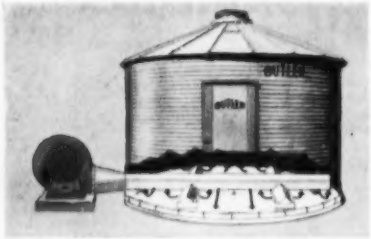
Find out how Butler crop storage buildings help you get full value from every crop. See advertisement on opposite page.



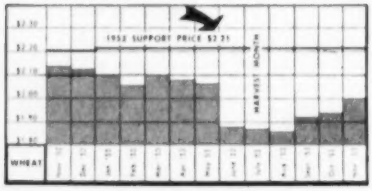
There's still time!

Get safe, low-cost grain storage with

BUTLER bins and Force-Aire



Force-Aire drying approximates the ideal drying action of sun and air in the field, brings moisture to safe levels.



It pays to store on the farm. Chart shows low wheat price at harvest time. This is typical of all major grains during the period charted.

Butler bins go up fast. You can still get them up in time for your new grain crop. Butler bins and Force-Aire drying equipment assure you of safe, profitable, on-the-farm grain storage. Force-Aire circulates natural, unheated air evenly throughout your grain, brings moisture content down to a safe level in short order.

Butler bins with Force-Aire drying equipment let you harvest at higher moisture content, cut field loss due to shattering, wind, birds.

Grain stays safe and clean in weather-tight, rodent-proof Butler bins. You're assured of a better grade —and the full support price or possibly even higher market prices when you sell.

U.S.D.A. approved, Butler bins and Force-Aire qualify for ASC (formerly PMA) storage facility loans and the fast 60-month tax write-off. See your Butler dealer for full information.

For prompt reply, address office nearest you:
BUTLER MANUFACTURING COMPANY
7484 East 13th Street, Kansas City 26, Missouri
984 Sixth Avenue, S.E., Minneapolis 14, Minnesota
923 Avenue W, Ensley, Birmingham 8, Alabama
Dept. 84, Richmond, California

I'm interested in Butler bins and the new Butler Force-Aire crop drying equipment. Please send me more information and the name of my nearest Butler dealer.

Name _____

Address _____ County _____

P. O. _____ State _____

BUTLER STEEL PRODUCTS

Oil Equipment
Steel Buildings
Farm Equipment
Dry Cleaners Equipment
Special Products

Factories located at Kansas City, Mo. Galesburg, Ill. • Richmond, Calif. Birmingham, Ala. • Minneapolis, Minn.

How much more from

Photograph: Joe Munroe

How profitable will irrigation be east of the Missouri River and north of the Mason and Dixon's line? We're starting to get some experiment-station figures.

In these tests, yield increases are accurately checked against the costs of irrigating. Here are some of the first conclusions available.

Summed up, the results are *favorable for irrigation on lighter soils—less conclusive on heavier soils.* Pasture and hay crops respond more consistently than other field crops.

At the Dixon Springs, Illinois, Experiment Station, they have irrigated Ladino-clover-mixed-grass pasture since 1948. They found that the greatest yield increases from extra water came where fertility was highest. Irrigation increased forage yields 50 to 100 percent, depending on the year. *This meant they could carry from ½ to 1 cow more per acre on these pastures.* Animal gains ranged from 50 to 140 pounds more per acre annually, depending on the natural rainfall.

In New York, they've found irrigation profitable only on lighter soils. For instance, H. A. Kerr, soil conservationist at

SUCCESSFUL FARMING REPORT

irrigation?

Cornell, had one location on fine sandy loam where irrigation increased alfalfa-brome yields one ton per acre (dry-weight basis). On another field with heavier soil and more adequate rainfall, there was no significant response in yield to irrigation.

Cornell agricultural engineers have calculated that it costs about $15 per irrigated acre annually to pay for and keep up equipment. They found operating costs to be $2.40 per application, with an average of six applications annually. This brings total costs to around $29 per acre.

In Indiana, Purdue Agronomists G. G. Williams and D. L. McCune have completed 3 years of tests of irrigation on legume-grass pastures. They found the following advantages, particularly on lighter soils:

(1) With irrigation, you can stock to the maximum all season. (Without irrigation, livestock are often held down to the number the pasture will normally carry in July, August, and September.)

(2) You don't have to grow emergency pastures like sudan grass, making the land available for other crops.

(3) You can be sure of 3 good cuttings of alfalfa—4 in the southern Cornbelt.

(4) You can prepare a seedbed in midsummer and be sure of a good stand.

(5) Irrigation maintains legumes in a pasture.

Williams adds that before irrigating, however, be sure you've gone as far as you can in improving your pasture by fertilizing and reseeding. To irrigate, you'll need a water source that can supply 27,000 gallons for each inch of water you'll apply per acre. Williams and McCune have applied 3 to 10 inches annually in their tests.

In central Missouri, D. M. Whitt of the Agriculture Research Service and the University of Missouri has been irrigating corn in tests since 1948. The soil is medium on the surface with a tight subsoil. High fertility and stalk populations are maintained.

Whitt applied an average of 3.5 inches of water each year. The average unirrigated corn yields in a rotation for the 6 years was 85 bushels. On irrigated land, the yield was 110 bushels. His continuous corn plots averaged about the same. In the 1953 drouth, a single irrigation of 2 inches in late July increased yields 16 and 28 bushels per acre on two plots. **END**

To learn how Butler bins and Force-Aire drying equipment provide safe, profitable storage, see advertisement on opposite page.

"I harvest earlier, cut field loss . . . thanks to my BUTLER building,"

says Wayne Ladd, Bunker Hill, Ind.

"My Butler crop storage building and Force-Aire drying equipment help cut field loss by making it possible to harvest earlier—when my crop has a high moisture content," says Mr. Ladd.

"Moisture goes down to a safe level in short order when I run my Force-Aire unit. This way, I can store safely and be sure of getting full value from my crop.

"I don't have to worry about birds and mice. My Butler crop storage building is rodent-proof, as well as weather-tight. It keeps my crops in good condition, which means better feed or more money when I sell."

Butler buildings and Force-Aire are U.S.D.A. approved, eligible for ASC (formerly PMA) storage facility loans and the fast 60-month tax write-off. See your Butler dealer or mail coupon for full information.

Even circulation of natural, unheated air is assured by Butler Force-Aire ducts. Ducts stack compactly in little space when not in use.

Natural air blower is discussed by Paul Record (left), Butler representative, and Wayne Ladd. This is Mr. Ladd's third Butler steel building.

BUTLER STEEL PRODUCTS

Oil Equipment
Steel Buildings
Farm Equipment
Dry Cleaners Equipment
Special Products

Factories located at Kansas City, Mo. Galesburg, Ill. • Richmond, Calif. Birmingham, Ala. • Minneapolis, Minn.

For prompt reply, address office nearest you:
BUTLER MANUFACTURING COMPANY
7484 East 13th Street, Kansas City 26, Missouri
984 Sixth Avenue, S.E., Minneapolis 14, Minnesota
923 Avenue W, Ensley, Birmingham 8, Alabama
Dept. 84, Richmond, California

I'm interested in Butler crop storage buildings and the new Butler Force-Aire crop drying equipment. Please send me more information and the name of my nearest Butler dealer.

Name _____

Address _____ County _____

P. O. _____ State _____

NOW...as much as 3 times longer life!

with this ALL-NEW

Willard

TRACTOR-COMMERCIAL BATTERY

...the only battery in the world with

PLATE ANCHOR

a revolutionary Willard feature that

- locks plates *firmly* in place
- defies vibration
- increases battery life by as much as 300%

In tractors . . . in trucks . . . here's the one battery that's designed to take the thump and bump of farm use—without danger of plate damage! It's the all-new version of the famous Willard TR-1-90, the battery acclaimed by farmers and implement dealers everywhere for its ability to outlast all other batteries in heavy-duty farm use. NOW. . . before your present battery falls victim to short-causing plate damage . . . ask your nearby Willard Dealer about the Willard Tractor-Commercial Battery. Available in all four standard group sizes to meet every tractor and truck need.

WILLARD STORAGE BATTERY COMPANY

Factories in: Cleveland • Los Angeles • Dallas • Memphis • Portland • Allentown • Toronto

BUG OF THE MONTH

Best controls for houseflies

Most of the flies on your farm were raised there! That's why the continued campaign to "clean up the breeding places." Spreading manure, draining and paving wet areas, and cleaning out drains and gutters are basic to having a farm free of flies. Liberal use of hydrated lime around barnyards reduces the number of flies being raised there.

What to spray. Outside of dairy barns and where flies have not become resistant, DDT is still the best residual fly killer. *Methoxychlor, lindane, and malathion are now approved as residual insecticides inside dairy barns.*

A 5-percent methoxychlor spray or lindane in a 0.5-percent spray is cheapest and is very effective against the non-resistant flies. Lindane is particularly good during hot weather. Against *resistant* flies, use a 1.25-percent malathion spray (1 quart of 50-percent concentrate in 12½ gallons of water). Apply to the surfaces to the point of runoff, usually 1 to 2 gallons per 1,000 square feet.

Activated pyrethrin sprays with oil as a a carrier knock down the flies quickly and give fair kill if used as directed on the can. However, they have no residual action and require daily applications for good results. These space sprays are usually applied with hand sprayers but are also available in the aerosol form. They are good for use in the home.

New baits. Both wet and dry *baits* are being publicized for fly control. Most of them contain malathion, lindane, TEPP, or Bayer 13/59 as their active ingredients. Sugar or syrup are used to draw the flies to them. They must be kept off the animals and out of milk and livestock feeds.—*J. H. Lilly.*

Here's a table showing the activity of the different fly sprays.

Chemical	Speed of action	Length of action
DDT	Slow	Several weeks
Methoxychlor	Slow	1-2 weeks
Lindane	Slow	1-2 weeks
Malathion	Fairly fast	1-2 weeks
Wet baits	Fast	Few hours
Dry baits (sugar base)	Fast	Few hours
Dry baits (syrup base)	Fairly fast	Several weeks
Activated pyrethrins	Immediate	None

Packed full of GROWING POWER!

Use ARCADIAN 12-12-12 when you seed small grains.

Now you can get big yields of wheat and other crops with ARCADIAN® 12-12-12, the fertilizer everybody wants!

ARCADIAN 12-12-12 is the fertilizer everybody is talking about. It's packed full of growing power to build bigger yields of small grains, corn, fruit, vegetables, grass and other crops.

The plant foods in this modern fertilizer are chemically blended to make every firm, dry, non-dusting granule a complete plant food, containing 12% nitrogen, 12% phosphoric acid and 12% potash, plus calcium, sulphur, important minor elements...and no filler.

ARCADIAN 12-12-12 is rich in nitrogen, the *growth* element. It contains four times as much nitrogen as 3-12-12 fertilizer. About half the nitrogen is quick-acting nitrate and the rest is long-lasting ammonia — an ideal combination to give crops a fast start and continued strong growth for top-notch yields.

It pays to use ARCADIAN 12-12-12! You save on freight rates ...you have fewer bags to haul and handle...you get bigger, faster-spreading payloads in any fertilizer equipment.

ARCADIAN 12-12-12 stores well, yet dissolves quickly in soil moisture to feed crops. You get no clogging of machine, no skips in the field, just plenty of balanced growing power for better-paying crops.

See your* ARCADIAN *dealer today for the modern fertilizer with all the advantages you've always wanted. Order ARCADIAN 12-12-12 in easy-to-lift 80-pound bags. Buy early for winter grains and fall plow-down. Start now to build big yields and profits.

Arcadian

12-12-12
GRANULAR FERTILIZER

NITROGEN DIVISION Allied Chemical & Dye Corporation
P O. Box 98, Ironton, Ohio Telephone: Ironton 8-4366

NITROGEN DIVISION ALLIED CHEMICAL

How to save money

In the kitchen...

Sweeter refrigerator at ½ the cost! No scrubbing, no scouring! Baking soda quickly emulsifies greasy film . . . removes musty food odors.

Thrifty silver cleaner! Line enamel pan with aluminum foil. Add 1 tsp. soda to each qt. water, bring to boil. Immerse silver so it touches foil.

and in the bathroom

Most economical tooth powder! Soda neutralizes enamel-eating acids, and removes bad breath that starts in the mouth. Cleans safely!

Inexpensive mouthwash—gargle! 1 tsp. soda in a glass of water sweetens breath, cleanses throat . . . leaves mouth sparkling fresh.

A Household Treasure

Arm & Hammer and Cow Brand Baking Soda are pure Bicarbonate of Soda, U.S.P. For **Free Booklet** on soda's many uses write: Church & Dwight Co., Inc., 70 Pine St., New York 5.

Successful
Farming®

THE MAGAZINE OF FARM BUSINESS AND FARM HOMES

August, 1954 Vol. 52, No. 8

Management and Business

News of the month 4
Farm outlook for August 6
Friend to friend 8
News in pictures 15
The farmer's Washington 16
How burdensome are our "surpluses"? 25
Five "most important" bills 26
Hog price break coming—here's what to do about it! 35

Farm Building and Machinery

What's new in farming 10
How to bring your cribs and bins up to date 40
How to build with blocks 50
Successful shortcuts 74
Store water for fire and drouth 88
Hot ideas for summer cooling 90
All around the farm 106

Herds, Flocks, Crops

Squirt on "10-10-10" 20
How much more from irrigation? 28
Best controls for houseflies 30
Eight bad soil problems solved with this easy terrace 36
My best hog-raising ideas 38
How to beat short fall pastures 46
Dirty eggs cost all down the line 66
Poultry pointers 68
Soils and crops 70
Veterinary helps 93
Tips for dairymen 94
Livestock news 100
How to control erysipelas 102

Successful Homemaking

Latest in foods 18
What's new in homemaking 22
How we solved five "old-farmhouse problems" 42
Successful Farming's Farm Kitchen Tour 44
Sew for double wear 48
August is better—with a freezer 49
Ice-cream desserts 52
Refrigerator desserts 57
Corn and tomato fix-ups 58
Tips for the cook 62
Buffet-table pickups 77
Home planning helps 78
Open that stairway 80
Canning and freezing 81
Hardware for draperies 82
Cooler cooking 96
All around the house 98

Family Life and Fun

Laughing at life 84

E. T. Meredith, Founder, 1876-1928
Fred Bohen, President
E. T. Meredith, Jr., Vice-President and General Manager
Lester H. Mugge, Vice-President and Director of Circulation
Edwin L. Sullivan, Vice-President and Director of Advertising
Kirk Fox, Editor — Jim Roe, Managing Editor
Dick Hanson, Vernon Schneider, George D. Johnson, S. S. DeForest,
Wayne E. Swegle, Elizabeth Page, Maurine Harris, Betty Fisk, Associate Editors;
Claire Miller, Helen Stark (New York), Assistant Editors;
Stan Geiser, Bill Clothier, Marjorie Jacobson, Editorial Assistants;
Barbara Stuart, Betty Grayson, Field Editors;
Edgar M. Young, Production Editor
Bert Dieter, Art Director — Earl K. Larson, Art Editor
Frank Mathews, Assistant
C. W. Howe, Manager of Meredith Farms

Successful Farming guarantees money back or replacement if you buy any article of merchandise that is not as advertised therein.

Subscription Correspondence: Any questions concerning subscriptions can be answered more quickly if accompanied by an address label clipped from a recent copy. Any time you are not satisfied, your money will be cheerfully refunded. For continuous service, a renewal must reach us at least 30 days before expiration of the old subscription. **Rates:** New and renewal subscriptions, one year $1.50 in the United States and possessions, Canada, and Pan-American countries. Other countries $2 per year. **Change of Address:** Five weeks' notice is required. Please report any change of address to *Successful Farming*, Des Moines 3, Iowa, rather than through your local post office. Send old address as well as the new, enclosing an address label clipped from the cover of a recent copy.

Are you willing to wait when there's no crossing gate? It can help you...

save up to 40% on your auto insurance!

Read how careful drivers get top-notch protection at rock-bottom rates with

STATE FARM MUTUAL

The picture (and the table below) gives you some idea of what State Farm looks for in a "careful driver."

If our description fits you, you are invited to apply for our famous "careful driver insurance" . . . at a saving of as much as 40 percent!

This kind of saving is possible because we deliberately aim to insure *only careful drivers.* Careful drivers cost less to insure. We pass the saving right back to our more than 3 million members in the form of *low rates.*

Your State Farm Mutual agent will gladly quote you dollars and cents, and tell you about the other benefits of State Farm insurance. The convenience of semi-annual payments, for example. Or the speed and efficiency of State Farm claim service, which is handled by our own 7,000 agents and 700 claim expediters.

To find your nearest agent, look under "State Farm Insurance" in the yellow pages of your phone book. Or, write to State Farm Mutual, Dept. B-14, Bloomington, Illinois.

Can You Qualify?

State Farm aims to insure careful drivers only. Drivers who can be counted on to:

- ☐ **Heed crossing signals**
- ☐ **Be alert for emergencies**
- ☐ **Make full stop at stop signs**
- ☐ **Obey speed laws**
- ☐ **Always signal stops and turns**
- ☐ **Avoid passing on hills or curves**
- ☐ **Avoid mixing alcohol and gasoline**
- ☐ **Yield pedestrians the right of way**

STATE FARM MUTUAL

"the careful driver insurance company"

STATE FARM Auto Life Fire INSURANCE

FREE TO MEMBERS!

New State Farm insignia (like above) in bright red headlight-reflecting Scotchlite. Identifies you as "careful driver, soundly insured" . . . provides emergency reflection when parked or if taillight fails.

State Farm Insurance is written only by the

State Farm Mutual Automobile Insurance Co.

and its wholly owned affiliates:

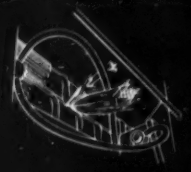
State Farm Life Insurance Company
State Farm Fire and Casualty Company

Home office: Bloomington, Illinois. Field claim offices in 325 principal cities. 7,000 agents in 40 states, District of Columbia, and Ontario, Canada

Hear "Jack Brickhouse Sports News" Saturdays and "Cecil Brown News Commentaries" Sundays over Mutual Stations. Check local radio listings.

Here's Clean Picking

Miss fewer ears . . .
leave less shelled corn
on the ground



The only picker with a rotary snapping bar. Snaps off ears cleanly and reduces wasteful shelling.

Extra large husking bed has 6, instead of the usual 4, rolls—that's why you can put so much clean husked corn in the wagon.

Flexible spiral "fingers" spread out the ears over the entire husking bed. They keep the whole unit working—speed husking—permit faster picking.

Hooks or unhooks from tractor in 5 minutes. Elevator shuts off from tractor seat—no corn need be lost on turns. Three gathering chains.

When you talk to your neighbors about their corn pickers and the results they get, you'll quickly see why so many prefer the Dearborn-Wood Bros. Corn Picker.

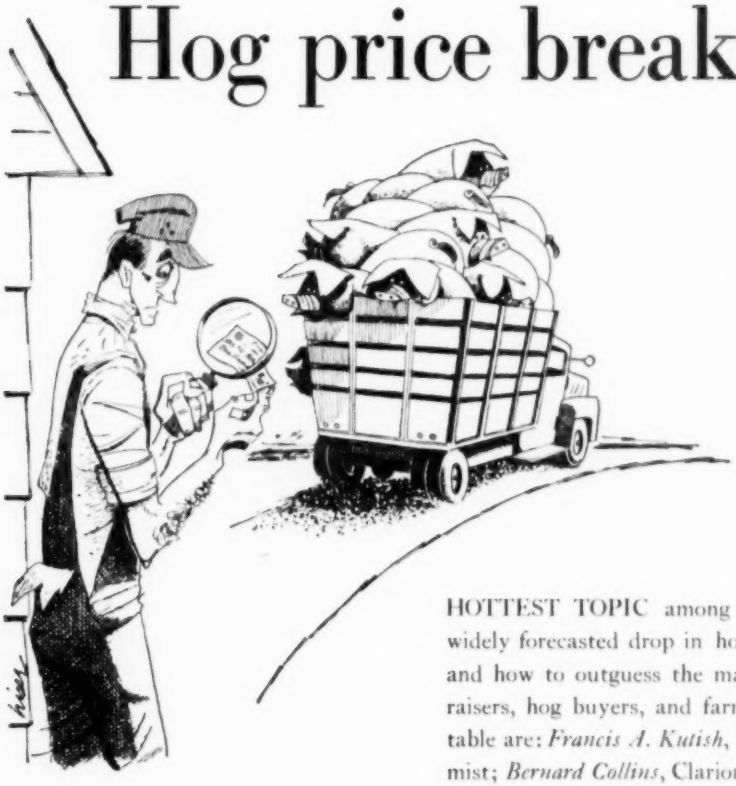
They have found from experience that the Dearborn-Wood Bros. picks corn cleaner and leaves less shelled corn on the ground. They have seen this picker harvest more corn when the crop was down and tangled. They have watched the Dearborn-Wood Bros. Corn Picker move right along in soft, muddy fields where heavy mounted pickers were mired down. And they have *measured the difference* in fuller cribs.

You too may find, as so many others have, that the *extra* corn saved by the Dearborn-Wood Bros. Corn Picker can quickly pay its entire cost. So, see your nearby Ford Tractor Dealer today and find out more. Tractor and Implement Division, Ford Motor Company, Birmingham, Mich.

Ford TRACTOR — *Ford Farming* GETS MORE DONE...AT LOWER COST — Dearborn EQUIPMENT

Dearborn-Wood Bros. Corn Picker

Hog price break coming—



Here's what to do about it!

By Wayne E. Swegle

HOTTEST TOPIC among hog raisers this month is when the widely forecasted drop in hog prices will start, how far it will go, and how to outguess the market. I asked these questions of hog raisers, hog buyers, and farm economists. Included in this round table are: *Francis A. Kutish*, Iowa State College agricultural economist; *Bernard Collins*, Clarion, Iowa, hog raiser; a hog buyer for an Omaha packing company; *L. A. Simerl*, University of Illinois farm economist; and *D. Howard Doane*, of Doane Agricultural Service.

Here are their answers to important hog-management questions we must answer right away:

When will the fall break in hog prices come?

Kutish: Fall break will start in last half of July. Prices will fall fast through August and early September. Look for some price recovery in late September or early October—then down again to the winter low.

Collins: I think hog prices have hit their peak at least a month ahead of average. From now to late August, I would expect a $5-a-hundred drop with the market being very sensitive to the receipts. Reason is we had a big increase in December, January, and February farrowings. And we weaned more pigs per sow. This increase started hitting the market in July, and bunching up can cause severe temporary drops.

Omaha hog buyer: Latter part of August. It will come earlier because a lot of farmers will have hogs ready for market sooner than usual to beat the expected break.

Simerl: Very uncertain, may be under way now. The timing and rate of the price break this summer will depend mostly upon farmers' marketing schedules. With prices exceptionally high and production increasing rapidly, packers will buy only for day-to-day needs. Hog raisers are nervous and have a lot of lightweight hogs that they may decide to dump at any time!

Doane: Should expect downturn by August 15 to 20. This is because hog number build-up is already under way, and beef from ranges will press the market.

How fast and how much will the price drop?

Kutish: Prices will drop to the 17- or 18-cent level at Chicago.

Collins: I think we are getting set up for the *biggest price break in history*. I would expect the terminals to take $5 or more off the July peak before August 15, another $3 by October 1, $4 more by December 15.

Omaha hog buyer: Early break to $20. If numbers permit, it could be as low as $18.

Doane: Downturn should be about normal and not go much faster than usual.

Will the price of lard stay high? Or will the price of heavy hogs suffer?

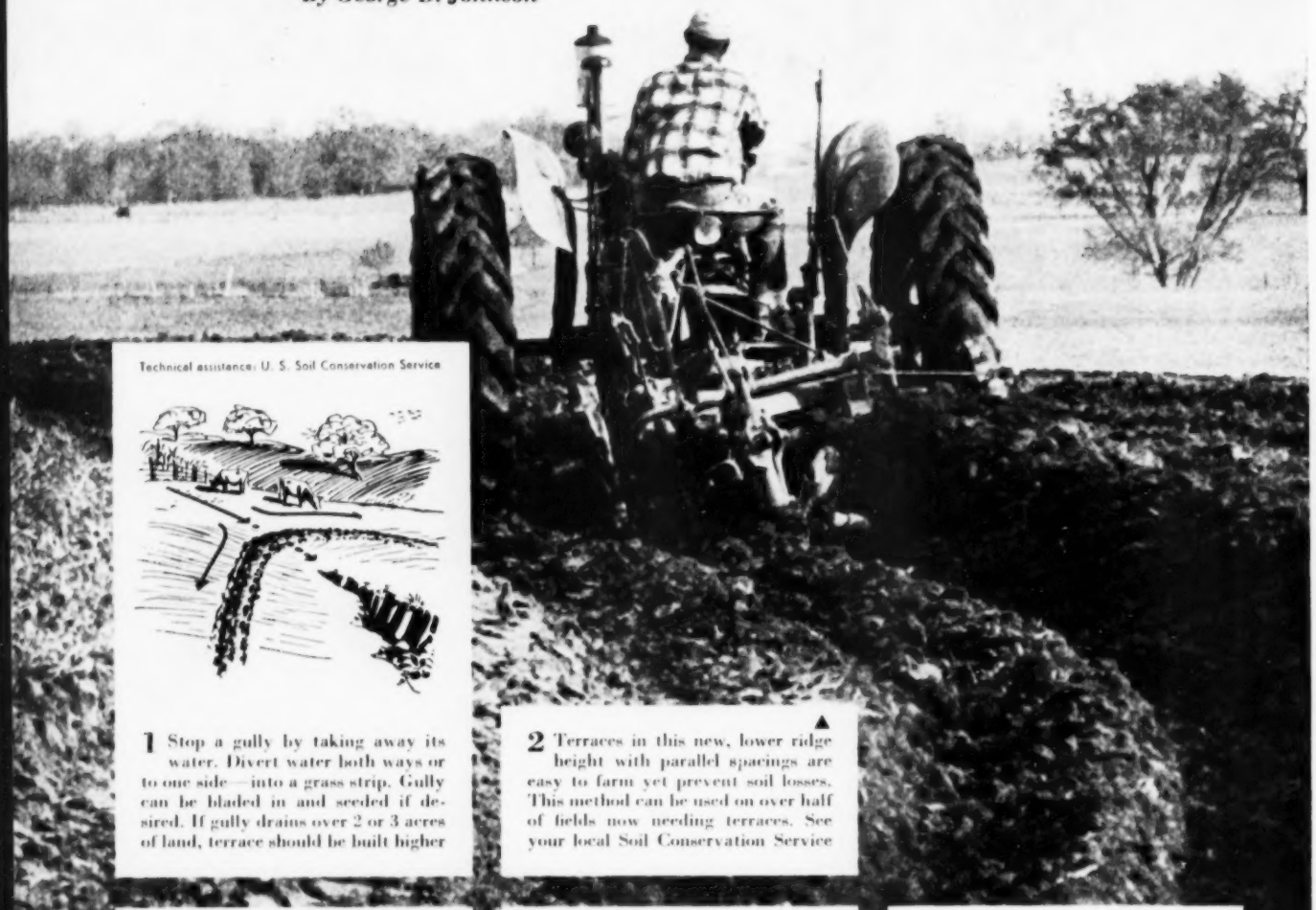
Kutish: Lard prices will hold up into early August, but the price spread will be wider than narrow spread of April. Reason: There will be more packing sows on the market. This will weaken heavy-hog prices.

Collins: Lard prices will drop as more hogs come to market supplying the demand. I wouldn't expect this to happen till October and November when the bigger runs of hogs will hit the market.

This drop could be nullified to quite an extent if hogs are sent to market at lighter weights. But by November, larger supplies of competitive fats and oils will be showing up. Until November and December, I would expect the spread between top butchers and heavy butchers to be less than average since the pressure will be to get hogs away at best-price weights because of a declining market. [*Turn to page 64*

Eight bad soil problems

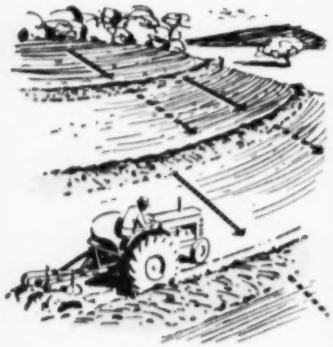
By George D. Johnson



Technical assistance: U. S. Soil Conservation Service

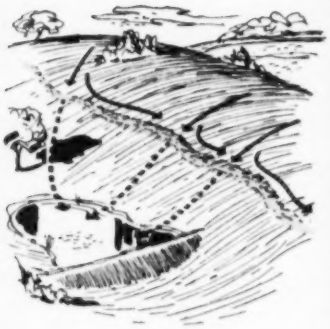
1 Stop a gully by taking away its water. Divert water both ways or to one side—into a grass strip. Gully can be bladed in and seeded if desired. If gully drains over 2 or 3 acres of land, terrace should be built higher

2 Terraces in this new, lower ridge height with parallel spacings are easy to farm yet prevent soil losses. This method can be used on over half of fields now needing terraces. See your local Soil Conservation Service



3 Level terraces hold average rains, make concrete and grass outlets unnecessary. You'll need a permeable soil at least 60 inches deep to use this system. Such terraces also make good guidelines for corn if contour-listed

4 If your pond dries up, use a terrace to pull in more water. Slope terrace .4' per 100', with a maximum length of 1,600'. Three to 10 acres is about right size watershed. You may want help from the S. C. S. on this

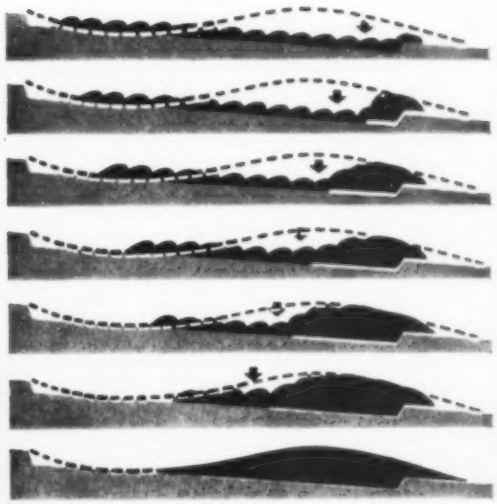


5 If your pond is silting full or the outlet is overworked, you can use a terrace to divert water away from the pond. For extreme water or silt problem, you'll need more than one terrace. Get technical help if cropland

solved

with this easy terrace

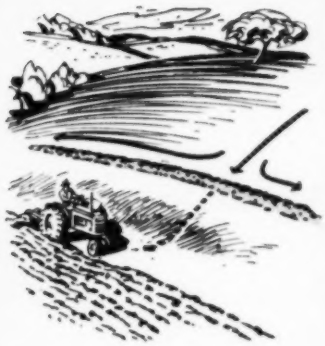
Water acting up in your lanes, fields, or feedlots? Put it where you want it with this handy, plow-built diversion



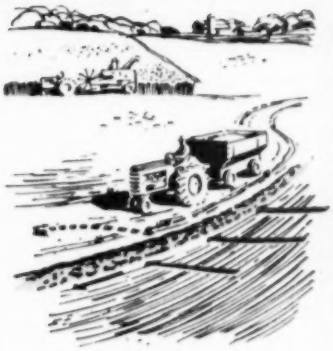
Built this way with a 2-bottom plow

Disc terrace area first, if sod. Drive stakes where you want terrace channel. Then drive second row of stakes 11 feet farther down slope to mark first plow furrow. Remove jointers and be sure plow completely turns furrows. *All furrows are thrown downhill.*

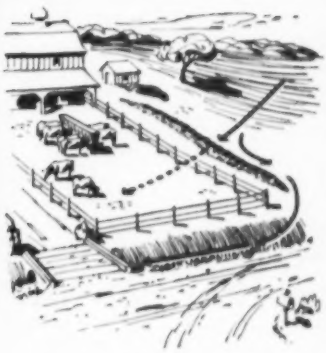
Plow strip 8 trips wide (top sketch). Then go back and pick up third furrow slice from beginning (see arrows) with front bottom; make 7 trips, then 6, and so on. Crowd over to form smooth downhill slope on terrace. For higher terrace, begin with more furrows.



6 Shunt water away from low spots. Terrace at the base of a hill can eliminate such problem wet spots that hold up plowing, drown out crops. Water can go to both sides or to one side, depending on location of outlet



7 Water likes lanes, can turn them into gullies overnight. Diversion terrace can divert water away before gullies form in ruts, forcing relocation of lane. Corregated tube under the lane can be used along with terrace



8 Terrace can keep water from running through barnlots, yard, or into wells or even under buildings. The outlet can often turn water into a roadside ditch. A grassed outlet is essential with all but level terraces

Photographs: Peese. Drawings: Gunwall

Spring farrowing takes place in these individual houses lined up in front of the corncrib. Feeders in half the outside pens are filled with self-unloading wagon. At the end of 2 weeks, sows and pigs are moved

Fattening-barn feed supply is stored overhead in a remodeled barn. There are four pens in the barn with a big self-feeder in each. All four of the self-feeders can be filled with grain by use of swiveling spouts

Fattening barn also has four outside pens. Each outside pen has two self-feeders. These feeders are filled from the self-unloading wagon. The barn will shelter and has feed-storage capacity to take care of about 550 hogs

My best hog-raising ideas

Here are practical pig-raising ideas from a young El Paso, Illinois, farmer, who raises nearly 2,000 hogs a year without having a full-time hired man

By Lyle E. Armstrong

Photographs: Pease

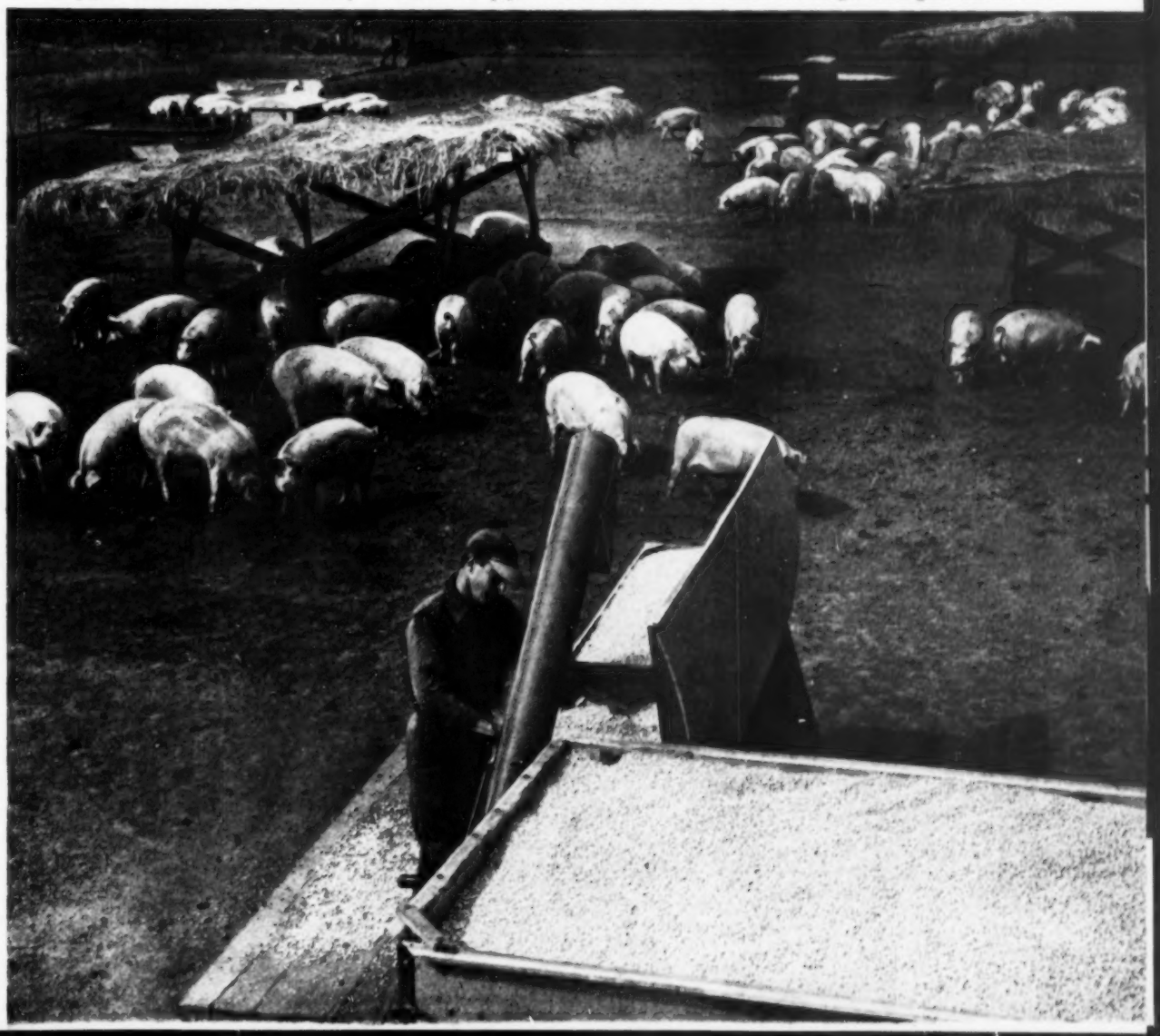
Movable equipment, such as individual houses, makes it easier to keep pigs on clean ground. All houses, shades, feeders are mounted on skids and are moved with tractor. Pigs are put on clean alfalfa-Ladino pastures every year

Weed-sprayer pump is used for cleaning all individual hoghouses. Houses are carefully washed after each lot of pigs, then disinfected

Extra-wide gates leading into each pasture make it easier to move the sunshades, individual houses, feeders, and water tanks. The pastures are divided into a number of 2½-acre lots with 12 sows and their pigs in each

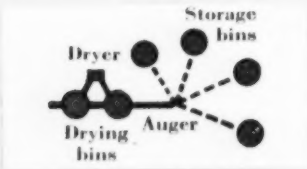
Big water tank on wheels is used to fill pasture tanks. Automatic waterers are built into the side of each tank. One tank usually will take care of two hoglots

Grouping equipment in each pasture makes it easier to take care of the pigs. The self-unloading wagon makes short work of filling the big self-feeders. Spring pigs usually are sold in August or September. Fall pigs are sent to market in February or March. The pigs usually weigh 220 to 240 pounds when sold. Pigs are fed corn and 35-percent protein supplement free-choice from the time they are taken off the creep feed until sent to market. Sows are selected from own herd, and all boars are bought from good breeders. END



System to store, handle shelled corn cost Endren P. Johnson, Story County, Iowa, just over one-half as much as crib, same capacity. Cost included dryer, auger under drying bins.

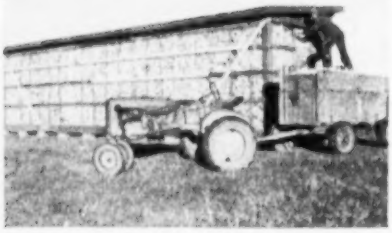
Completing circle of bins on each side of drying bins expands system. (See drawing below.) Portable elevator takes grain from drying bins to top of storage bins.



How to bring your

Cribs and bins

up to date



Semipermanent crib on Ed Rutter farm, Shelby County, Missouri, is made with welded wire and native lumber. Cost was less than 15 cents a bushel. It can be moved with heavy skids

Photographs: Pease, Edwards

Combination crib and self-feeding floor made of snow fence and poles is a laborsaver for Wencker Meyer, Lincoln County, Missouri. The 500-bushel unit and floor are both on skids

By Sherwood Searle and Earl Wayne

You're in luck if you've been thinking of remodeling your cribs and bins to increase their capacity or of building or buying new storage. You're lucky because you can take advantage of the critical shortage of grain-storage space.

Congress and the secretary of agriculture have rushed to dangle attractive incentives before you—to help clinch your decision to expand your grain-storage space. These government incentives are listed at top right of the opposite page.

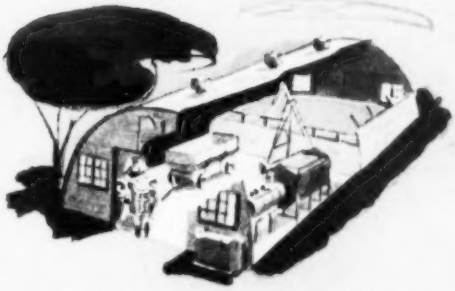
In short, adequate storage is going to be important in the next few years if you're to take full advantage of the government price-support program and avoid depressed harvest-time markets.

And if you decide to add to your storage capacity this year, you'd just as well take advantage of latest thinking and ideas—so you'll get the most for your money.

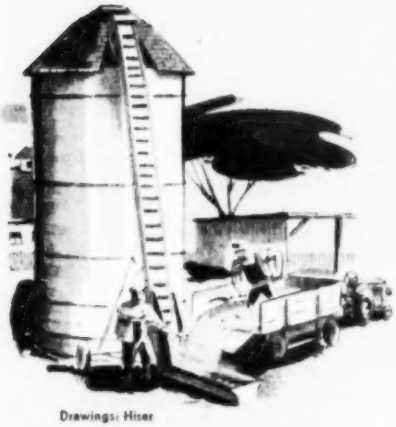
What you build to solve your grain-storage problem will depend on your major enterprises. But, at the same time, look to the future and try to anticipate the effect of picker-shellers, crop dryers, and mechanical handling. It'll pay to build your storage units to fit these new developments. (A free booklet, *Grain Storage Building Plans* is available through any Midwest state agricultural college.)

Dual-purpose grain bin can be converted into a two-car garage. Studs are 8', size is 20'x20', and the bin has a capacity of 2,500 bushels.

Partition runs lengthwise making two 10'x20' bins. Either or both bins can be filled. Plan is 73263 from Midwest state agricultural colleges. Cost—30 cents.



Alternate-use building can serve other purposes since there are no roof supports, posts to interfere with building use. Unit works as grain storage, machine shed, workshop, livestock shelter, and hay storage. Length is variable



Drawings: Hiser

Unused silo may be suitable for grain. Make sure that walls are strong enough. Shelled corn requires $\frac{5}{8}$" hoops spaced as shown

Height (feet)	Under 14 feet in diameter	Over 14 feet in diameter
30	5 hoops spaced at 2-, 5-, 9-, 15-, 23-foot marks	5 hoops spaced at 2-, 5-, 9-, 15-, 23-foot marks
40	6 hoops spaced at 2-, 5-, 9-, 14-, 21-, 30-foot marks	7 hoops spaced at 2-, 5-, 9-, 14-, 20-, 27-, 35-foot marks
50	7 hoops spaced at 2-, 5-, 9-, 15-, 22-, 31-, 42-foot marks	9 hoops spaced at 2-, 5-, 8-, 12-, 16-, 22-, 29-, 37-, 46-foot marks

Now's the time to modernize grain storage. Here's why:

Fast income-tax write-off now lets you charge off, *in only five years*, cost of *remodeling* or *adding new* grain storage. That concentrates your tax deduction in fewer years—when you're paying for the building.

Reseal payments are available this year. You can use the 15-cents-a-bushel corn reseal payment to help build new storage for this year's crop.

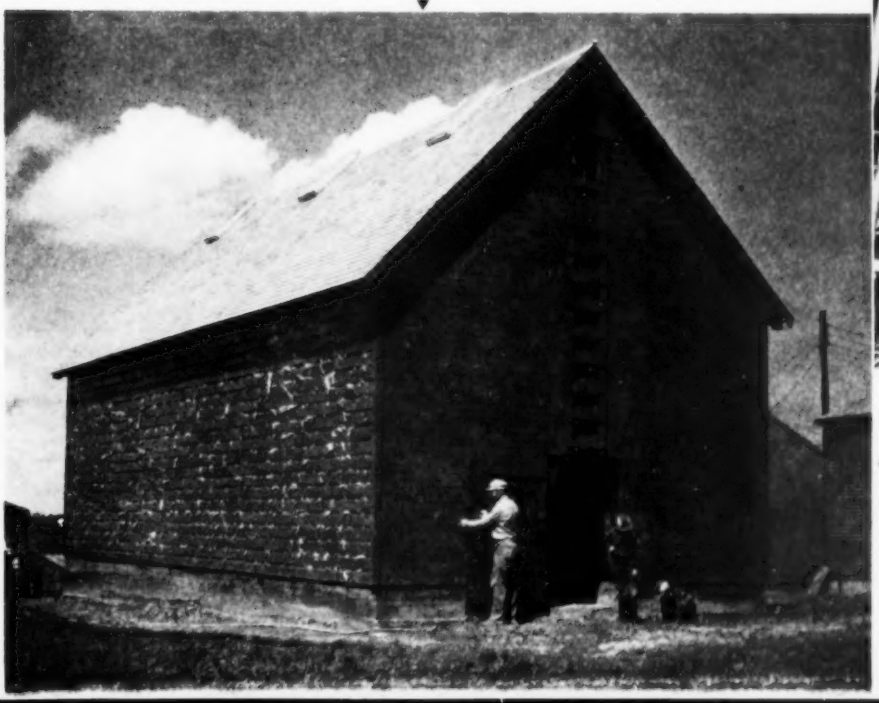
Farm storage facility loans now are available from your bank or county A.S.C. office. You can borrow up to 80 percent of the cost of the crib or bin. You have four years to pay off the loan. Interest rate is 4 percent.

Storage-equipment loans also are available for buying drying equipment. You can borrow up to 75 percent of the cost and pay off loan in three years.

Harvest-time price drop probably will be greater than normal this fall. You can hold for later sale with adequate storage. And, of course, you must have adequate storage if you're going to seal your grain.

Get seasonal rise in price of grain. Average rise for years 1947-51 was 24 cents for corn and 58 cents for soybeans—from harvest to June. And 22 cents for wheat and 18 cents for oats—*harvest to January.*

Double cornerib, built by Galen Stratton, Story County, Iowa, provides storage *above* small alleyway. Ends are solid to prevent short-circuiting of air when forced-air dryer is used in alleyway. Buy plan 73281 from Midwest state colleges for 30 cents ▼



Sloping walls in alleyway let crib empty ▶ easily. Loose boards, when removed, allow corn to drop directly into drag. Little scooping is needed. Crib does *not* require a forced-air dryer; natural air is enough in good year. Cost per bushel is 75 cents

Old way

New way

Alto and the boys have a place to shed boots and work clothes when they come in off the farm. Big closet is handy to outside entrance in the utility room. Washroom on right makes place to clean up

Joe Munroe

Laundry end of utility room means no more running to basement. Mary empties dirty clothes from chute and pops them right into washer. Chute comes from boys' room right into utility room, saving steps

How we solved five

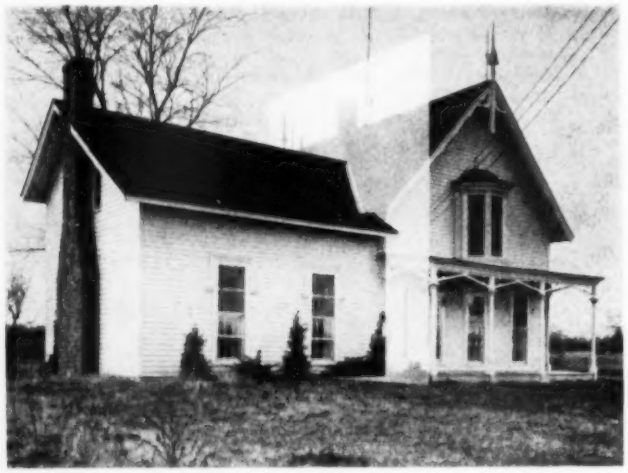
"Old-farmhouse" problems

By Betty Fisk

"We were faced with either building a new house or adding space to our old farmhouse to solve our mounting problems," said Mary and Alto Miller who farm near Milan, Ohio. "Our old-fasioned-looking house was quaint and charming on the outside—but its charm *didn't* compensate for the dirty boots and work clothes in the kitchen. Or having to run up and down basement stairs to do laundry or get to the freezer when mealtime rolled around and you had three hungry men to feed after a busy day.

"By adding a new wing in the same style as our old house, we kept the charm and added the space we needed to solve our space problem. A utility room was the [*Turn to page 86*

Gracious new living room makes you want to pay the Millers a visit, doesn't it? A friend designed authentic paneling and the cabinets on either side of fireplace, and also painted pictures. Color scheme in green, gold, and brown blends with tones in the wood pieces of furniture ▶



Shaded line shows division between the new wing (on left) and the old part of house. The Millers kept the new addition in the same architectural style as the old. See how long windows, which go to floor inside, match the old ones. Trim matches, also

No worries any longer about where to put things in boys' room! New one has plenty of bookshelves, cabinets, and closets. Each boy has his own built-in chest. The deep closet runs entire width of room behind the beds and chests

Photographs: Hedrich-Blessing

Here's how much space the Millers got in new wing. Floor plan shows solution to five problems . . .

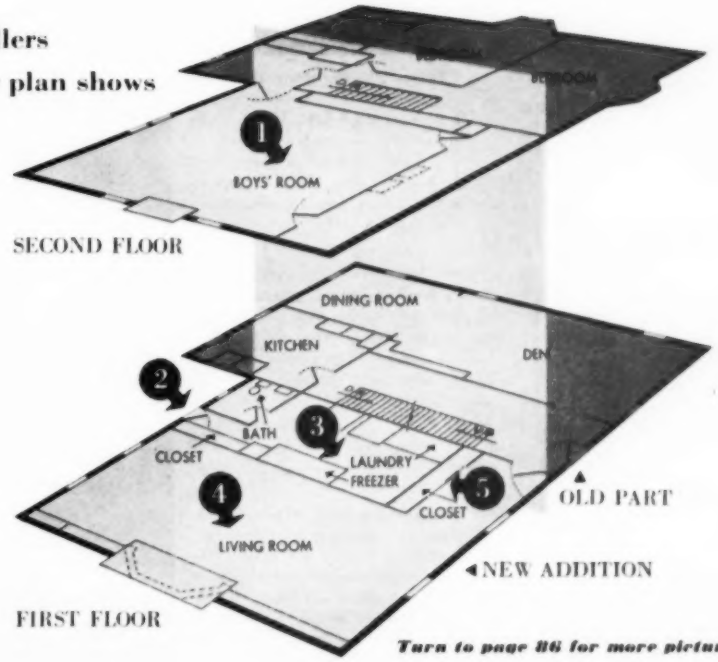
1. A room for two growing boys. They had long "outgrown" their old room. Now they have plenty of shelves, cabinets for games and toys, large clothes closets, and desks for study

2. Place for work clothes. Muddy boots and work clothes moved out of the kitchen and into places of their own with the addition of closet and wash-up room in new utility area

3. Convenient utility room. No more running down basement stairs to do laundry and get to freezer. They're handy now for these chores

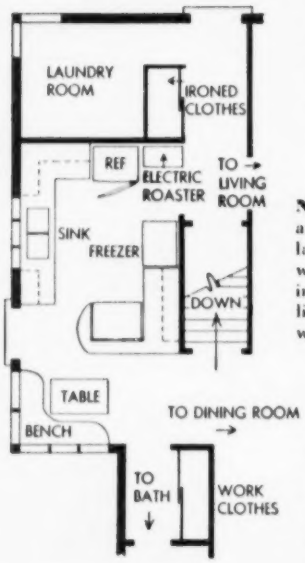
4. Attractive living room for entertaining. They have a room where they're proud to invite their friends for an evening of relaxation

5. Plenty of storage! "What a joy it is to have a place to put things," says Mary Miller. "Now we have a coat closet, plenty of shelves, closets for laundry supplies and work clothes, and a convenient place for the boys' things"



Turn to page 86 for more pictures

"Acres" of counter and storage space are improvements most appreciated by Mrs. Holst — she actually had *none* before! Notice how she spaced refrigerator, range, and sink for distribution of the cabinet space among them



Not a conventional plan, but a good solution for this particular house. Note that all four walls are used to form two "L's" in cooking area. An open plan like this isn't good in a house where traffic *must* cross the room

Outsize corner windows replace two skimpy ones since remodeling. Corner for eating has comfortable bench and a view of the road, driveway, farm buildings. The table can be lowered for between-meal coffee serving

Mrs. Holst's problems . . . how she solved them:

1. No storage or work space—added cabinets.
2. Kitchen dark—a new picture window lets the cheerful south light in.
3. Traffic interferred—a door was relocated.

What we like in Mrs. Holst's kitchen:

1. Space is planned for freezer.
2. Cabinets made for the things that go in them—such as sliding shelf for the deep-fat fryer.
3. A wonderful corner for eating meals or having coffee in comfort.
4. Unusual, rich-looking colors—light floor and ceiling; curtains repeat touch of wine in wallpaper.

Successful Farming's . . .

Farm Kitchen Tour

. . . visits Mrs. Ray Holst, Scott County, Iowa

By Maurine Harris

Ever wished you could knock on your neighbor's door and be invited inside to take a look at her sparkling new kitchen? How about joining us as we stop for personal visits with other farm women around the country? At each place the welcome mat will be out, and we'll find a friendly farm wife to *share her secrets* for making a kitchen dream come true.

This month we'll drive along the Mississippi in Scott County, Iowa, round a few wide bends, swing north a little, and turn into the driveway at the Ray Holst farm. The house is not new—but it's a typical farm home—comfortable and inviting. And Mrs. Holst opens the door to one of the prettiest kitchens you'd ever want to see!

Mrs. Holst is especially proud of her kitchen because she transformed an old, sloping-floored back porch to achieve it. (Somehow that's more thrilling than "starting from scratch.") Before beginning remodeling, Mrs. Holst collected dozens of ideas from magazines and other sources. She called on their county extension home economist for professional advice. As you can see, her kitchen is a winner!

Be ready to go along on our next Farm Kitchen Tour!

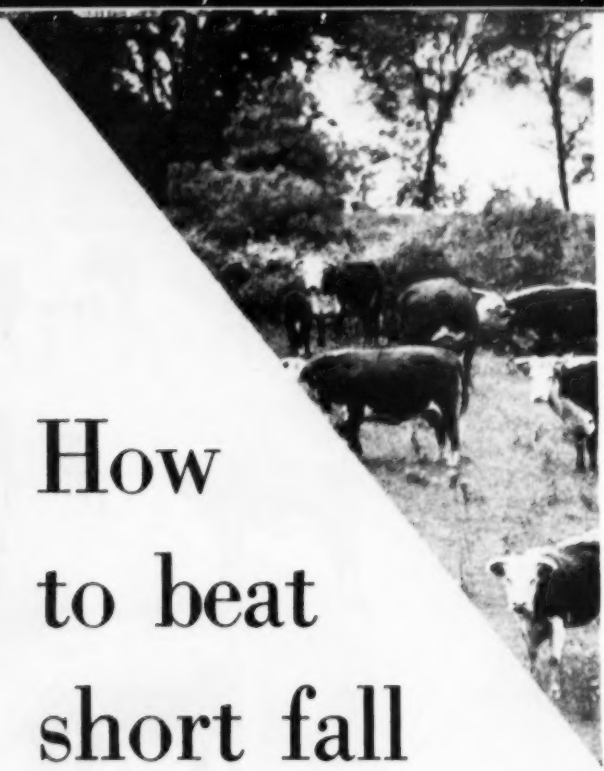
Ever see this idea? The end cabinet opens on eating area side, so toaster and table-setting things can be reached without walking around the range and divider. Tricky serving bar and pass-through, too!

Photographs: Hopkins

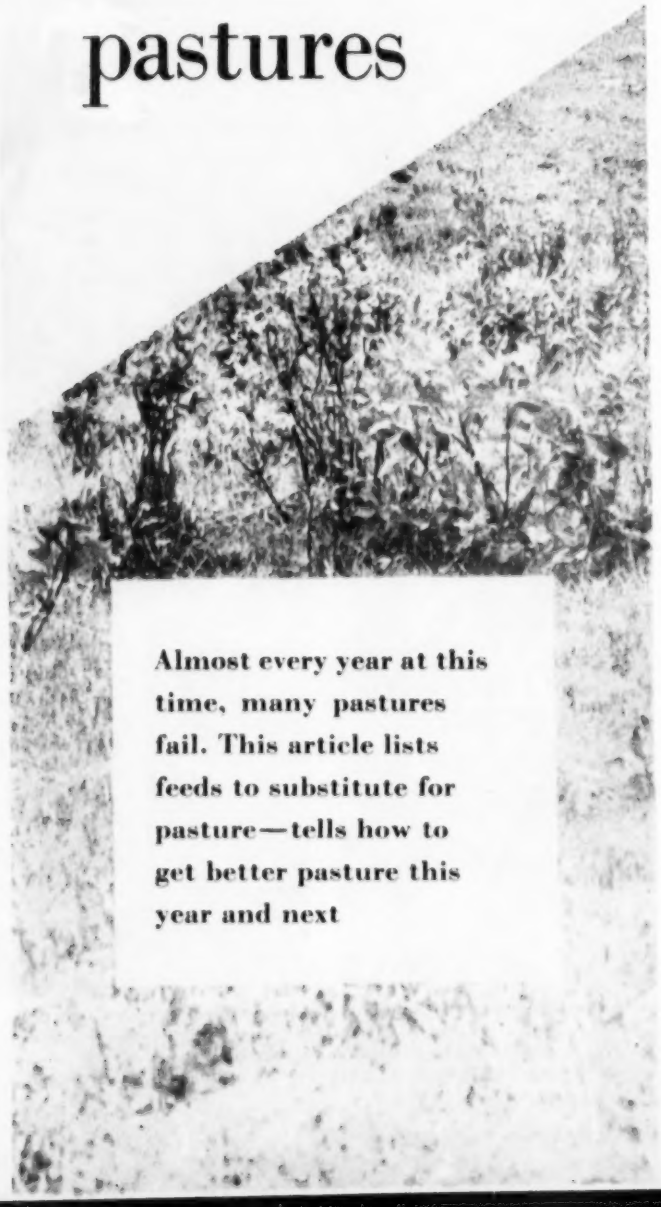
Now here's a smart one! The electric gadgets are fine—*if* you've a place to put 'em. Mrs. Holst thought up this sliding shelf to hold deep-fat fryer either in use or stored

A freezer right in the kitchen! And it's planned to *fit*. Freezer is handy to both range and sink. One cabinet above has freezer supplies; another (shown) keeps serving dishes near range—just to your right

Low cabinet shelves either file the pans or swing them out to you—wonderful ways to cut out the stooping! All mixing things are kept here



How to beat short fall pastures



Almost every year at this time, many pastures fail. This article lists feeds to substitute for pasture—tells how to get better pasture this year and next

Here are ideas on what to feed when pastures dry up

By Hans Dickinson

If you have stockers or feeders on pasture when dry weather hits, you are limited in what you can economically feed. If pastures are poor, experience has shown that it's usually best to feed some corn and market the cattle earlier than originally planned. You usually can't *afford* to use poor-quality feed for fattening cattle.

You may have to creep feed calves on cows

Thin, weedy, unproductive pasture may make it necessary to creep feed nursing beef

The best ways to get more pasture in time this year

By John Howard

Fall pastures frequently fail, but failure hardly describes the last two years. The drouths over practically the entire East and Midwest reduced pastures to dust. However, it did bring to light some sure ways to get fall pasture—even at the last minute.

Sow rye in old stands of legumes

Farmers living in Morgan County, Indiana, recently found that they can start rye in August for fall and spring pasture by seeding it right in legumes. This will be plowed down the next year for corn or left for pasture.

Seed 5 to 6 pecks of rye per acre this way in August when there is a little moisture. You should be able to pasture it in 6 to 8 weeks. Disc only once and seed at the same time by pulling the drill behind the disc.

Winter barley performed well in '53 and '54

Farmers in the southern half of the Cornbelt have used lots of barley as an emergency fall pasture the past two years.

calves. Beef cows will drop off in milk production under poor pasture conditions, and supplementing the short milk supply with creep feeding will mean heavier calves in the fall. A creep mixture of 9 parts shelled corn and 1 part protein supplement will do the job.

Feeds to use for beef and dairy cows When pastures are poor, there are a number of feeds that can be used to keep cows in condition and feed costs low. Such feeds as hay, grass silage, ground ear corn, and ground corncobs properly supplemented, may be used to stretch the pasture.

Hay and grass silage work very well as supplements to poor pasture for both beef and dairy cows. Good-quality legume-grass hay fed at the rate of 5 to 10 pounds per day should keep beef cows in good condition, if there is at least *some* pasture available. It may take 20 to 30 pounds of grass silage daily. To keep up production of dairy cows, above-normal amounts of grain will probably be needed in addition to the hay or grass silage.

Minimum feed for nursing beef cows The average nursing beef cow requires a minimum nutrient level for maintenance. If you have *no* grazing available, 20 to 25 pounds of a good-quality legume-grass hay will meet the minimum needs of a beef cow. From 50 to 70 pounds of grass silage or green, chopped forage will also meet the minimum standards.

Ground corncobs supplemented with urea-molasses also is a good emergency feed. If *no* pasture is available, the cows will probably eat 1 to 2 pounds of the molasses-urea mixture per day.

Green, chopped forage makes a good feed A ration of green, chopped forages will stretch pasture or carry more cattle per acre than when cattle graze. Ideas on feeding green, chopped forage include: 1. Chop once a day. 2. Chop only enough to carry through a 24-hour period. 3. If allowing a full feed of green, chopped forage, never let cattle run out. Bloating often occurs when cattle are taken off and then put back on green, chopped forage.

Chopped, green corn can also be fed to cows You can feed green corn in addition to green, chopped forage. The corn may be cut and fed as stalks, or it can be chopped.

Here's one example: Twelve acres of barley seeded the first of August made two month's difference in the time Russell Semon, Boone County, Missouri, fed hay last fall. He broke up some red clover and then waited for showers before seeding the barley. He fertilized with 200 pounds of 12-12-12 per acre. Sixty-five head of sheep grazed the 12 acres constantly from September 1 to November 1, and 40 head of beef were turned in occasionally.

Fertilizer perks up old pasture An old, permanent pasture is often low in nitrogen. If the grass is not low in phosphorus, 40 to 60 pounds of actual nitrogen will boost fall-pasture growth considerably. A soil test may show phosphorus and potash are needed, too.

For the most quick hay or pasture Sudan grass can be seeded as late as the first of August south of the middle of the Cornbelt. It will provide more fall pasture than rye or wheat up until a killing frost.

In an Ohio test, 2 acres of corn drilled 6 inches apart each way at the usual corn-planting time pastured 139 sheep for 6 weeks throughout July and August. Planted in late July, corn will make fall pasture until a killing frost.

Feed hay and then put up stalk silage Here's a new idea that is getting attention and can help your feed situation. Pick your corn early at about 35-percent moisture and dry it. Then immediately go through in the oppposite direction and pick up as much as possible of the still green leaves and stalks with a field chopper and make it into ensilage. Wetted down, these stalks as they go into the silo make excellent silage.

The best fall pastures are the all-season pastures

Some of the pasture plants which produce best in an ideal season also are the ones which do best in a drouth.

Alfalfa—best legume in any pasture To quote from a University of Missouri release of last fall, "Alfalfa's performance this year emphasizes its value under drouth conditions." While such shallow-rooted legumes as Ladino clover died out, tap-rooted alfalfa kept coming all through last summer's dry weather.

It should be noted that birdsfoot trefoil has made good growth straight through drouths and recovers well in the fall.

Fescue looks good during dry seasons Now to the grasses. Unfortunately, tall fescue is not adapted to the entire United States. H. A. Cate of the Dixon Springs, Illinois, Experiment Station had this to say after watching many different pastures go through two dry seasons. "Fescue has truly been a livestock-saving grass. It has kept coming even with our close grazing. It has resisted extreme dormancy and dying out common to some of our other pasture plants."

Fall pasture starts with fertility Still another point Cate makes is the importance of high fertility. He says, "These pasture stands have been better to start with, have provided more forage in the spring, *and they have recovered more rapidly with fall rains.* Last summer, pastures top-dressed with phosphate and potash produced a ton more dry matter per acre—enough forage to carry a cow two months longer."

Orchard grass, too, has shown up well in drouth in recent years. Oscar Ackerson of the United States Soil Conservation Service in Indiana observes that orchard grass recovers faster in the fall than either timothy or bromegrass.

Hairy vetch broadcast in corn in August makes good fall pasture. Seed doesn't have to be covered. END

August sun-timer
in striped denim, open V-neck front and back

White cotton shirt,
cool cover-up over summer sportswear

Companioned for fall
as jumper and blouse. Dress, 6359; sizes 10-16. 35 cents. Blouse, 6748; sizes 12-20. 35 cents

Princess dress
of black cotton goes to summer parties

Photographs: Hopkins

Fall version . . .
a redingote. Pattern 6618; sizes 12-18. 50 cents

Three patterns, five smart ways for two seasons . . .

Sew for double wear

By Mary Blaskovich

Summer sundress, shirt become fall jumper and blouse. August party dress doubles as redingote

These Advance Patterns are available from local dealers or they may be purchased direct from Successful Farming, 2808 Meredith Building, Des Moines 3, Iowa. Prices are shown.

August is better with a freezer

A little at a time—as garden matures—you can freeze your vegetable supply. No long, hot sessions in the kitchen are needed, and you have to use only a few pieces of simple equipment

Handy way with Limas is to freeze them on cooky sheet (after scalding, chilling). Then scoop big batch of frozen beans into half-gallon cartons lined with plastic bags. Saves you time

Photographs: Nelson, Photography, Inc.

Use your oven just once a week! When a cooler day comes along, grab the chance and bake a week's good eating. Then let your freezer do the work!

Mrs. Mackey relies on her freezer the year round, but it gives her the biggest lift in summer. Into her freezer go corn meal—safe from weevils; dampened clothes—to prevent mildew; and fruit juices for jellymaking in cooler weather

An ice ring—made by freezing ring-mold pan of water—keeps raw relishes crisp at the table. With a big bag of ice cubes on hand, August is tolerable, too

"Stand-by supper" is always in Mrs. Mackey's freezer. Usually it's a tangy meat scramble to heat and serve with the thawed frozen buns

By Jan Maple

If you're like most farm women, a sultry August day bears down on you with extra work. After weeks of putting up garden stuff, it takes stamina to face baskets of sweet corn, a bushel or so of peaches, and a few crates of apricots. And the steamy job of jellymaking, too!

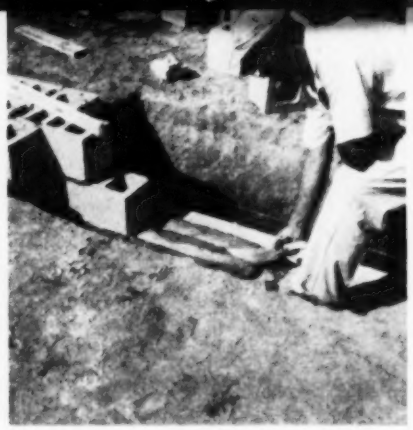
Mrs. George Mackey, farm wife in Will County, Illinois, takes all this in stride. A big home freezer is her answer.

She admits it takes some work to get the freezer loaded. But it's such *easy* work that you don't mind it. Mrs. Mackey thinks any farm woman—whether her family is large or small—can cut summer work "way down" by using a home freezer.

The quick, cool way you "put up" vegetables and fruits is a big help. You can buy ahead—make fewer trips to town. And there are dozens of *other* ways a freezer can trim time and beat the heat.

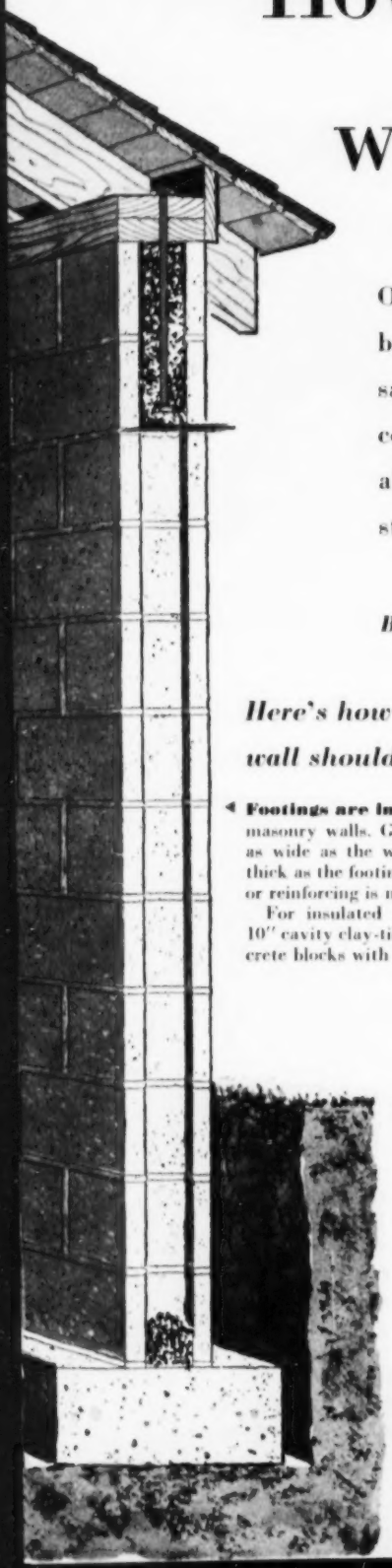
Here's how Mrs. Mackey is using her freezer this summer. Why not try these ideas? You'll forget it's August—almost!

Here's the step-by-step procedure to lay blocks →



1. After footing is in place (drawing at left), place full mortar bed on top. Begin at foundation corners to lay blocks

How to build with blocks



Footings should be built below frost-line ($3\frac{1}{2}$-4′)

Drawings: Sigmen-Ward

Once you learn to lay one masonry building block, the rest are the same. Built properly, clay-tile or concrete buildings are warm, durable, and moisture-free. Here are steps to follow in constructing one

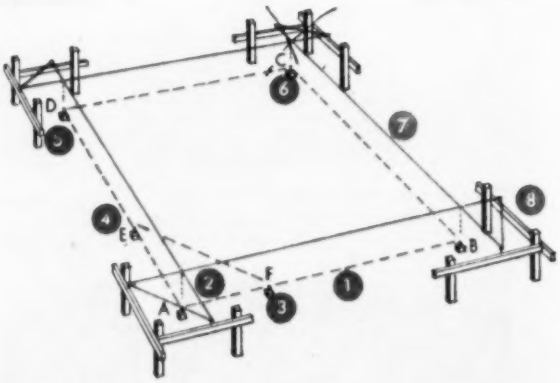
By S. S. DeForest

5. Prefabricated lintels "cross over" wall openings. Expansion joint in walls helps stop cracks

Here's how the finished wall should look

◄ **Footings are important,** especially for masonry walls. Generally, they are twice as wide as the wall is thick and half as thick as the footing width. Larger footings or reinforcing is needed for unstable soils.

For insulated walls, use an insulated 10″ cavity clay-tile wall or *lightweight* concrete blocks with insulation in cores.



Here's how to lay out a building

1. Lay out a line representing outside face of wall.
2. Set stakes at A and B on this line locating the 2 front corners of the foundation.
3. Set stake F on line A-B, 12′ from A.
4. Set stake E 16′ from A and 20′ from F. Since angle E-A-B is a right angle, corner will be square.
5. Extend A-E to D for third corner of foundation.
6. Locate C by an intersection of an arc described from D having a radius equal to A-B and an arc described from B having a radius equal to A-D.
7. Check accuracy of foundation layout. Diagonal A-C must equal diagonal B-D in length.
8. Set up batter boards outside limits of foundation so cord lines will be usable after hole is excavated.

2. Mortar is 1 volume mortar cement to 2-3 volumes of damp, loose mortar sand. Add enough water to make it workable

3. Build up corners of building first, 3-4 courses high, then fill in between. Place mortar as shown in No. 2 picture and on end of block to be layed. Tap into place; use level to plumb

4. Window openings can be made by using jamb blocks that make room for the frame

Photographs: Pease

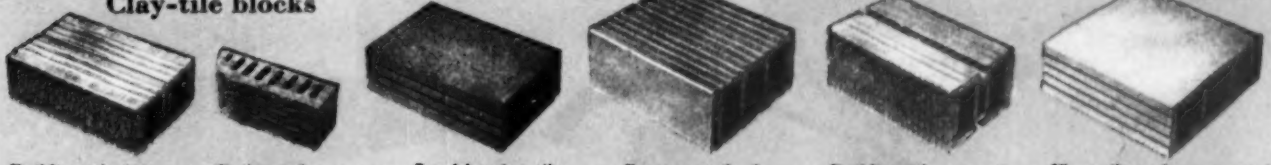
6. Anchor bolt for plate is secured with mortar tamped around it. Metal mesh 2 courses below keeps mortar around bolt

7. Use curved round bar or V-shaped tool to finish joints after mortar becomes quite stiff. Tooling compresses mortar against blocks, makes joint watertight

8. Two coats of portland cement-base paint, scrubbed into wetted wall, should be kept wet for 1-2 days

Here are only a few of the many types of blocks you can buy

Clay-tile blocks



Building tile, 4x8x 12, kerfed to split

Bull-nosed corner, cored to break

Load-bearing tile, laid on edge

Basement tile, 3 cell, 10x5x12

Building tile, easy to clean when salt-glazed

Floor tile under concrete makes warm, dry floor

Bricks

New SCR brick, for one-story houses

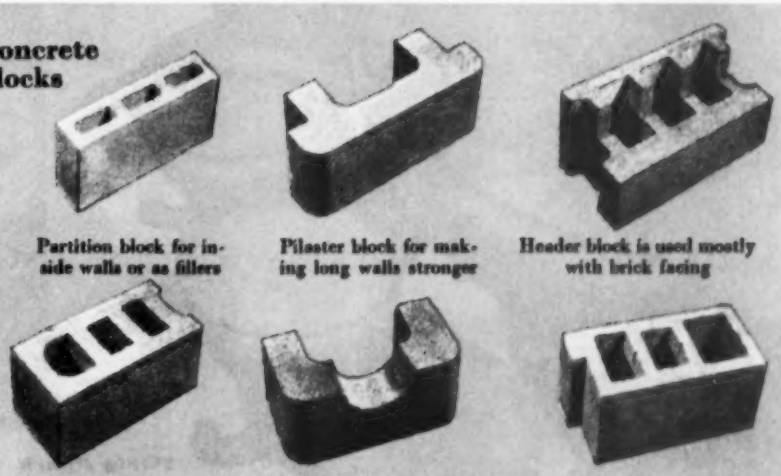
Standard brick for cavity, veneer wall

Norman face brick, 12" long for long, low look

Roman brick has one textured side

Concrete brick is "common" size

Concrete blocks



Partition block for inside walls or as fillers

Pilaster block for making long walls stronger

Header block is used mostly with brick facing

This corner block is of *lightweight* material

Chimney block (½ shown) is *lightweight* for handling

Jamb block fits around window frames, wooden joists

Date-Nut Sundae

Chocolate Sundae

Ice-cream desserts

... eight of the best

Try them for the grand finale to a special meal or just plain good eating any time

By Marjorie Jacobson

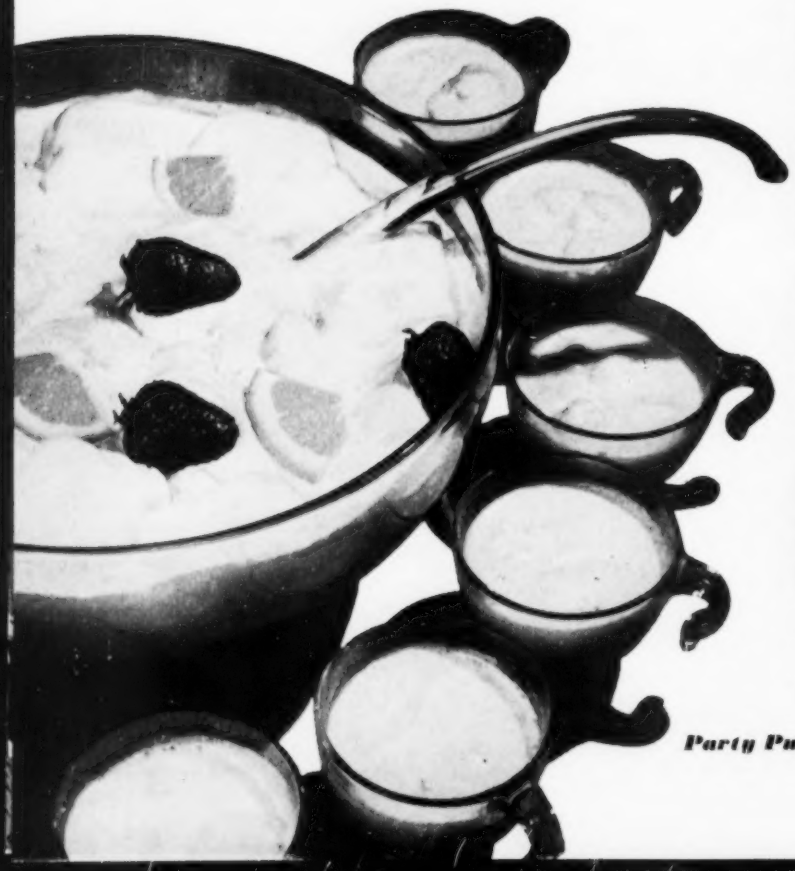
These are the very *best* in ice-cream treats. Some of them you make with your own milk and cream in the refrigerator or a freezer. Others are made with timesaving commercial ice cream. And, there are sauces to use in concocting sundaes that are extra special. These are desserts you will be proud to serve to your family and guests, no matter what the occasion might be.

Recipes on page 72

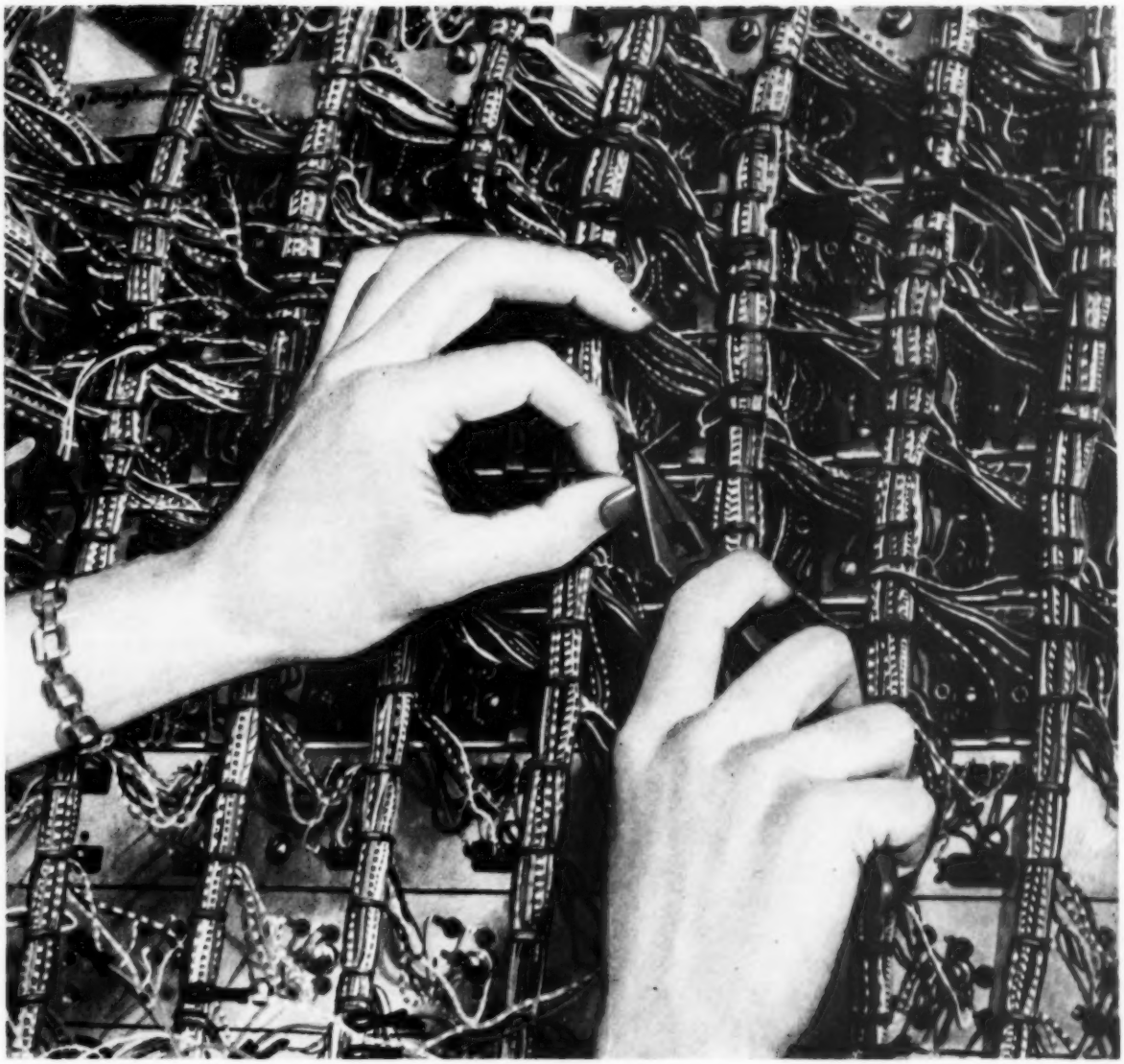
Photographs: Stanley

Frosty Orange Float

Chocolate Rocky-road Ice Cream



Party Punch



Hands that help you say "HELLO!"

These are the hands of a girl at Western Electric, wiring switching equipment that goes to work in your Bell telephone central office when you make a call.

This equipment will take its place in the biggest, most complex machine in the world – the nation-wide network of the Bell Telephone System. Making the parts for this ever-changing, ever-growing machine – telephones, switchboards, wires, cables – has been Western Electric's job for over 70 years.

New or old, these parts must all work perfectly together. And they do – for a good reason.

It's this: Western Electric – as the *manufacturing* unit of the Bell System – works in closest touch with Bell Laboratories people who *design* the equipment and Bell telephone company people who *operate* it. We're all part of the same outfit – the Bell System. Together we help you say, "Hello!" – to almost anyone, anywhere.

Western Electric

A UNIT OF THE BELL SYSTEM SINCE 1882

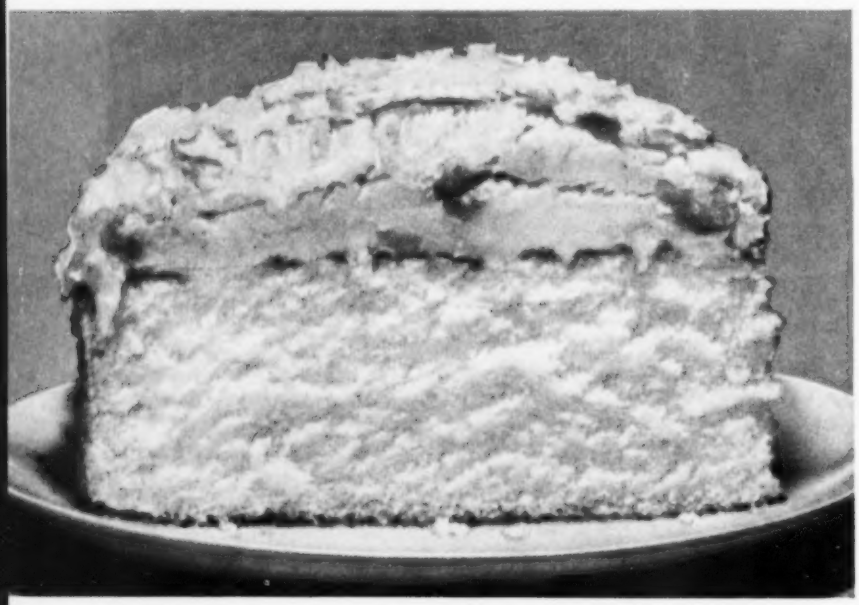
"Wouldn't your folks like our

Cake 'n Ice Cream Pie?"

asks Betty Crocker

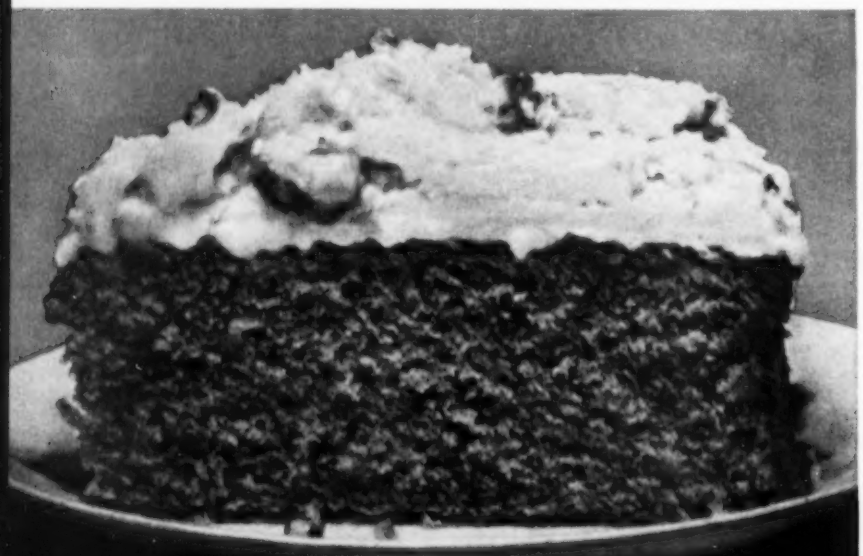
Hello, everybody . . . We've been having the most fun lately in our Betty Crocker kitchens. We've been thinking up Cake 'n Ice Cream Pies!

Like the Betty Crocker Chocolate Devils Food Cake Mix cake in the picture, spread with vanilla ice cream and chopped red cherries. Or wedges of my good Honey Spice Cake—with butter pecan ice cream. Or White Cake with peach ice cream. Funny thing—our folks just can't tell which one they like best, so we keep on eating and eating!



ABOVE: White Cake 'n Ice Cream Pie, so very easy to make with Betty Crocker White Cake Mix and Peach Ice Cream.

BELOW: Betty Crocker's popular Honey Spice Cake Mix helped bake this cake. It's topped with Butter Pecan Ice Cream.



I hope you will, too. Because it's so easy to bake a cake with any Betty Crocker Cake Mix. And you get a perfect cake every time, you know—we worked so hard to make our mixes come out right that we can guarantee that!

Everybody's a little lazy these summer days, anyway. It's so much easier to spread ice cream on cake than to stop to make up an icing.

Somebody asked me how we do it. It isn't any trick at all. You just let the ice cream stand a minute or two in the kitchen. It doesn't have to be too soft. Then spoon on the ice cream and spread it smooth, if you like. Dress up your pie with cherries or nuts or anything you like, and send it off to the table right away.

SERVE ONE LAYER, SAVE THE OTHER!

This pie takes only one layer of cake, as you see, and just a pint of ice cream. So... bake another layer with the rest of the batter – save it – and serve it topped with crushed fresh or frozen fruit at lunch or supper the next day!

"You know," a mother of five young children wrote me the other day, "mine could be a stupendous task—but with you to solve my dessert problems, it really isn't as hard as it sounds. We use all of your mixes!" And then she added something that made me feel very good. "You just can't turn out a flop."

That letter seems to make our testing—and all our tasting—very much worth while. When you use our cake mixes and follow package directions—people keep finding out you do get a higher, lighter, better-tasting cake than any you've ever known.

I'd love to hear how your family likes our Cake 'n Ice Cream Pie. Do try one soon . . .

And have fun!

Betty Crocker

OF GENERAL MILLS

Chocolate Cake 'n Ice Cream Pie—Bake the cake with Betty Crocker Chocolate Devils Food Cake Mix. Top with Vanilla Ice Cream and cut maraschino cherries

Betty Crocker *says:* I guarantee

A perfect cake every time you bake

cake . . . after cake . . . after cake!

PERFECT? Yes, I DO mean perfect. You be the judge. If a cake you make with a Betty Crocker Cake Mix is less than perfect, write Betty Crocker, Box 200, Minneapolis, Minn., and General Mills will send your money back!

NEW

Peggy tried detergent X,
Detergents Y and Z,
But when she'd seen how ***Tide*** *could clean,*
She shouted, ***"Tide's*** *for me!"*

Sooner or later almost everyone turns to *Tide*

— FOR CLEAN, CLEAN CLOTHES!

No washday soap-no other detergent known—

NOTHING ELSE WILL WASH AS CLEAN AS *TIDE*

– yet is so mild!

Millions more women use TIDE than any other washing product in the world.

NOTHING ELSE BEATS *Tide* FOR GETTING CLOTHES CLEAN!

Tests against every known kind of soap and detergent *prove* this over and over again! Until Tide was invented, it wasn't *possible* to get your family wash so clean. And today's Tide has even *more* cleaning power. *More* mildness, too. Tide is truly mild for your hands—truly *safe* for all wash colors.

NOTHING ELSE BEATS *Tide* FOR GETTING CLOTHES WHITE!

Never before Tide, was it possible to get your wash so *white*. And today's Tide has an even *greater* whitening power that gets sheets, towels, household linens even more *dazzling* white. It's truly amazing! Get Tide today—there's *nothing* like it! (Tide is made by an exclusive, *patented* formula.)

RECOMMENDED BY THE MAKERS OF 25 AUTOMATIC WASHERS!

In these automatics, nothing else will wash as clean as Tide, yet is so mild—no washday soap, no other detergent known . . . including low-sudsing products. Test after test proves it. No wonder so many *more* women use Tide in automatic washers than *any* other washing product sold!

Deviled Tomatoes (Makes 4 to 6 servings)

4 tomatoes
¼ cup melted butter
1 teaspoon prepared mustard
1 tablespoon chopped onion
2 tablespoons diced green pepper
2 tablespoons diced celery
⅛ teaspoon salt

Halve tomatoes and place in 10x6x1½-inch baking dish. Combine remaining ingredients and pour over tomatoes. Bake at 425° (hot) for 8 to 10 minutes.
—*Mrs. Rex Campbell, Iowa*

Western Corn Fry (Makes 6 servings)

½ cup chopped green pepper
1 tablespoon chopped onion
2 tablespoons butter
1 tablespoon flour
1 teaspoon salt
Dash pepper
1 cup sour cream
3 cups cooked corn
2 tablespoons chopped pimiento

Cook green pepper and onion in butter until tender; blend in flour and seasonings. Gradually stir in sour cream. Add corn and pimiento; heat thoroughly and serve.—*Frances J. Lenden, California.*

Tomato-Corn Skillet (Makes 6 servings)

6 slices bacon, cut in pieces
2 tablespoons chopped onion
3 tablespoons flour
2½ cups peeled and quartered tomatoes
1 teaspoon sugar
½ teaspoon salt
Dash pepper
2 cups cooked corn

Fry bacon until lightly browned. Pour off all but 2 tablespoons of the fat. Add onion and cook until lightly browned. Blend in flour; add tomatoes and seasonings. Simmer until thickened, about 3 minutes. Add corn, heat thoroughly, and serve.—*Mrs. Rex Campbell, Iowa.*

Refrigerator desserts

Make these frosty-cool desserts in advance—they'll wait in the refrigerator until time to serve them

Unbaked Cheese Cake (Makes 9 servings)

1 cup crushed corn flakes
¼ cup sugar
⅓ cup melted butter
2 envelopes unflavored gelatin
½ cup cold water
2 beaten egg yolks
1 teaspoon salt
½ cup sugar
½ cup milk
1½ cups sieved cottage cheese
2 teaspoons grated lemon peel
¼ cup lemon juice
2 stiff-beaten egg whites
1 cup heavy cream, whipped

Combine corn flakes, ¼ cup sugar, and butter. Press ⅔ of the mixture in the bottom of an 8x8x2-inch pan. Chill. Soften gelatin in water. Combine egg yolks, salt, ½ cup sugar, and milk. Cook over simmering water until thickened, stirring constantly. Add gelatin; dissolve. Cool until thickened; whip until light. Add cheese, lemon peel, and juice. Fold in egg whites and cream. Pour into pan; sprinkle with remaining corn-flake mixture. Chill.
—*Mrs. H. E. Chrisman, Nebraska*

Chocolate-chip Mallow (Makes 6 servings)

1 cup graham-cracker crumbs
2 tablespoons sugar
¼ cup melted butter
½ pound marshmallows
½ cup milk
½ teaspoon vanilla
1 cup heavy cream, whipped
2 1-ounce squares unsweetened chocolate, coarsely grated

Combine crumbs, sugar, and butter. Press on bottom and sides of small refrigerator tray. Melt marshmallows in milk over low heat, stirring often. Cool. Add vanilla; fold in cream and chocolate. Pour into crumb crust; chill.
—*Dolores Barta, Iowa*

Apricot Fluff (Makes 6 servings)

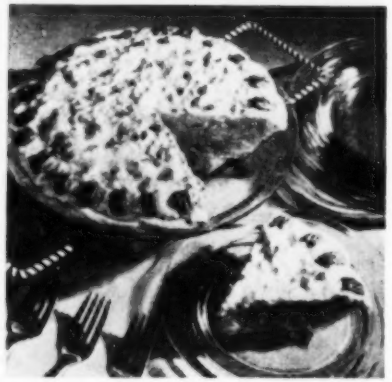
- 1 cup canned apricot halves, drained
- ½ cup apricot syrup
- ¼ pound marshmallows, quartered
- 1 tablespoon lemon juice
- 1 cup heavy cream, whipped
- 2 drops green food coloring

Combine apricot halves, syrup, and marshmallows. Heat over boiling water until marshmallows are melted, stirring occasionally. Add lemon juice. Chill until partially thickened. Fold half of the cream into the apricot mixture. Tint remaining cream green. To serve, alternate layers of apricot mixture and whipped cream.—*Mrs. Stanley Haste, Massachusetts.*

Pineapple Whip (Makes 8 servings)

- 1 package lemon-flavored gelatin
- 1 cup boiling water
- Pineapple syrup, plus water to make 1 cup
- Dash salt
- 1 No. 2 can crushed pineapple, drained
- 1 cup heavy cream, whipped

Dissolve gelatin in boiling water; add pineapple syrup and salt. Chill until partially thickened. Beat until light. Fold in drained pineapple and whipped cream. Pour into 1½-quart mold and chill until set.—*Mrs. Ellis Nestlerode, Kansas.*



Caramel Chiffon Pie (Makes 6 servings)

- ½ pound caramels (about 28)
- 1 cup hot water
- 1 envelope unflavored gelatin
- ¼ cup cold water
- ¼ teaspoon salt
- ¼ teaspoon vanilla
- ⅔ cup evaporated milk, chilled and whipped
- 1 cup chopped pecans
- 1 8-inch baked pastry shell

Place caramels and hot water in top of double boiler. Heat until caramels are melted and sauce is smooth. Soften gelatin in cold water; dissolve in hot caramel mixture. Add salt and vanilla. Chill until slightly thickened; fold in whipped milk and half of nuts. Pour into pastry shell; sprinkle with remaining nuts. Chill.

—*Mrs. Cecil Oak, Missouri*

Corn and tomato fix-ups

Give these summertime favorites new flavor and eye appeal with variations that are easy and quick to do

Mexican Corn (Makes 6 servings)

- 1½ cups diced celery
- ½ cup chopped green pepper
- ¼ cup butter
- ½ teaspoon salt
- ⅛ teaspoon pepper
- 2 cups cooked corn
- ½ cup chopped, ripe olives
- 2 tablespoons chopped pimiento

Cook celery and green pepper in butter until tender, about 15 minutes. Add seasonings, corn, olives, and pimiento. Heat thoroughly and serve.

—*Mrs. L. W. Foubert, Iowa*

Stuffed Tomatoes (Makes 8 servings)

- 8 small tomatoes
- 8 hard-cooked eggs
- ¼ cup salad dressing
- 1 tablespoon horse-radish mustard
- 1 teaspoon salt
- ⅛ teaspoon pepper

Slice the tops from washed tomatoes. Scoop out pulp; invert to drain. Chop hard-cooked eggs and combine with remaining ingredients. Chill. Fill tomatoes with egg mixture and keep in refrigerator until serving time.

—*Dorothy Hofbauer, Nebraska*

Homemade Jams and Jellies Taste Best... Cost Less!

Make them the easy, sure way with Certo or Sure-Jell pectins*!

FOUR BIG REASONS WHY it's so easy, quick and economical to make jams with Certo or Sure-Jell, the *natural* fruit pectin products:

1. You boil just *one minute* – save fresh-fruit flavor.
2. You're finished 15 minutes after your fruit is prepared.
3. You get 50% *more glasses* from the same amount of fruit than by the old-fashioned long-boil method.
4. You're sure of *perfect* jams and jellies every time when you follow the recipes exactly.

NOW'S THE TIME FOR PEACHES!

Make this absolutely scrumptious Peach Marmalade with this new, easy recipe:

Ingredients: 1 orange, 1 lemon, about 2 lbs. peaches, 5½ cups sugar, 1 box Sure-Jell powdered fruit pectin.

Cut 1 orange and 1 lemon in quarters. Remove seeds. Grind, chop fine, or slice crosswise wafer thin. Add 1 cup water and simmer, covered, 20 minutes. Peel and pit about 2 pounds fully ripe peaches. Chop very fine or grind. Combine fruits and measure 4½ cups into a *very large* saucepan.

Measure sugar and set aside. Add Sure-Jell to fruit in saucepan; mix well. Place over high heat and stir until mixture comes to a hard boil. At once stir in sugar. Bring to a *full rolling boil*, and *boil hard 1 minute*, stirring constantly. Remove from heat and skim off foam. Then stir and skim by turns for 5 minutes. Ladle quickly into glasses. Cover at once with ⅛-inch hot paraffin. Yield: about 10 medium glasses (5 lbs. marmalade).

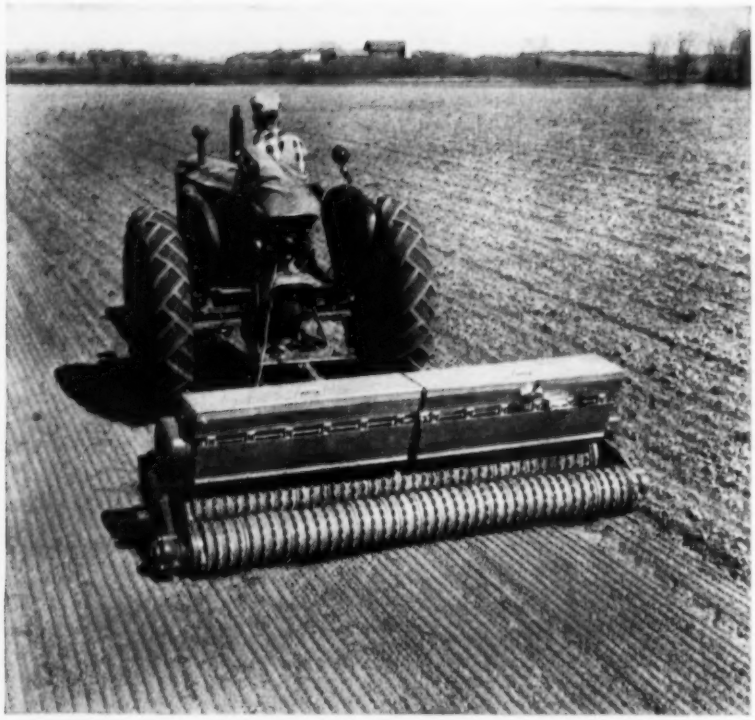
If you prefer a *liquid* pectin, use CERTO and follow *Peach Marmalade* recipe in the booklet attached to the Certo bottle.

CERTO OR SURE-JELL. Take your choice . . . a liquid or powdered *natural* fruit pectin product.

Products of General Foods

MAKE LOTS THIS SUMMER

BE GLAD ALL WINTER!



NEW Brillion Sure-Stand gives a better "catch"—a sure stand on 50% less seed

With its NEW features . . . its NEW low price, this NEW 8-foot Brillion Sure-Stand makes it possible for more farmers to enjoy the seed-saving, labor-saving advantages of Brillion's scientifically designed "Controlled-depth" seeding.

Brillion's "Controlled-depth" principle covers every seed within the top ½-inch of soil to assure higher seed germination . . . better seedling emergence. Seed isn't lost because of deep planting. It doesn't use up its natural food supply before it reaches the surface.

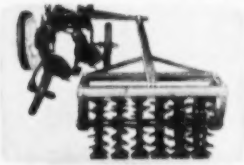
Part of the reason is the way the Sure-Stand finishes its own seedbed as it sows. It tucks every seed into a clod-free seedbed . . . close to moisture and nutrients. It crushes the lumps and clods left by once-over discing . . . presses out air pockets and firms the seeded field. This not only promotes crop emergence but also leaves your fields smoother—easier to mow, easier to drive over with chopper or baler and a loaded wagon.

Moreover, in the Brillion Sure-Stand with its 2" wheel spacing you have an excellent pulverizer to finish other seedbeds . . . on grain, soybean and corn land — to break soil crusts, to firm seeded fields, to prevent winter-kill.

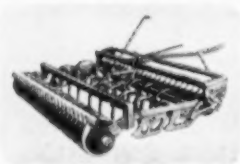
Your Brillion dealer has complete facts on this new seeder at a new low price. See him soon . . . take this first step toward better hay and pasture in wet or dry years . . . in poor or good growing seasons. Two models: 5 ft. 4 in., and 8 ft. seeding widths. For folder write, The Brillion Iron Works, Dept. SG-1-8, Brillion, Wisconsin.

Brillion
SURE-STAND GRASS SEEDERS
5'4" and 8' models

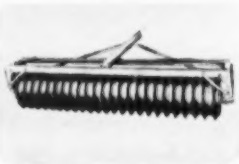
IF BRILLION MAKES IT, IT MUST BE GOOD



BRILLION PLOW PACKERS break down the furrow slice and gently firm the soil in one operation. Mulches soil to slow drying. Three sizes — for 2-, 3-, and 4-bottom pull-type plows.



BRILLION PULVI-MULCHERS crush both surface and buried lumps and clods in one operation. Cut discing and harrowing time. Dust-sealed roller bearings. Five sizes: 6-, 7-, 8-, 9-, and 10-foot.



BRILLION PULVERIZERS have the weight, strength, and durability for tough soils and loose conditions. Dust sealed roller bearings for fast tractor speeds. Sizes and types to suit all operations.

Levels land before seeding wheat

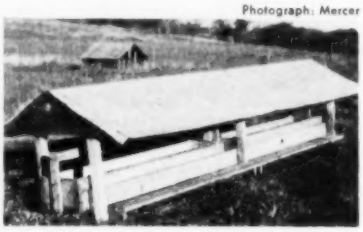
Getting a wheat field smoothed off before sowing is well worth the extra work, says Hans Goodman, Champaign County, Illinois.

Goodman levels his wheat fields with a graderlike machine used by many Western farmers in the irrigation areas.

The machine has a blade 12' wide for leveling the ground. Clods and lumps are picked up and crushed. After the leveling process, Goodman's fields contain no potholes, no dead furrows, and the seedbed is compact.—*V. C., Illinois.*

Keeps feed dry

Photograph: Mercer



Covered feeders out on the range keep feed in, rain out, says G. E. Annin of the University of Wisconsin Poultry Department. Annin recommends using 2 troughs, 4' long, with handles to make moving easy

Treacherous tractor tricks

When pulling a harrow with a chain, don't turn corners so short you catch chain with wheel and pull the harrow over on tractor

Drawings: Osborn

If for your life you do not care,
Here's the way to comb your hair

EGG PROFIT WAS $552.25

FOR SIX MONTHS ON 260 PULLETS

—say Mr. and Mrs. Lyle Stevenson

"Our figures show that 260 pullets gave us an egg profit over feed of $552.25 from September 12, 1953 through March 12, 1954," say Mr. and Mrs. Lyle Stevenson, Kendall Co., Illinois.

"These were from a lot of 270 which we bought April 6 and which we started on MoorMan's CoxiCurb* Mintrate for Chicks. They had been on a good growing mash made with MoorMan's while on range during the summer, and when housed in September weighed about 4½ lbs. each. We then changed over to a laying mash of Mintrate, corn and oats.

"We kept accurate records of our feed from then on—and for the next six months our total cost for feed was $454.80—of which our only out-of-pocket cost, for Mintrate, grit and oyster shells was $238.80. The balance was our own home grown feed, charged at a rate of $2.50 a hundred for corn and $2.00 for oats.

"When we housed them they were laying at a 30% rate, but by mid-October this had stepped up to 75%. They held this rate until January, when they started to taper off. But our over-all average for 6 months was a little better than 70%. During those 6 months the pullets produced 2635 dozen eggs, which makes our total feed cost per dozen just a little over 17 cents.

"The low out-of-pocket cost for our laying mash was mighty important. Ours cost us about $3.80 a hundred—and it gave us the best results we've ever had. We're convinced that the concentrated minerals, vitamins and proteins in MoorMan's Poultry Mintrates are just the thing to make a low-cost ration with high egg-making power out of our own home grown grain."

MoorMan's Mintrate* for Poultry is a highly concentrated blend of proteins, minerals and vitamins developed especially to keep laying hens at peak production. Not only will Mintrate help your hens get more egg-making power out of your own home grown feeds, but it will help maintain a good appetite, good health and good hatchability.

If you're not satisfied with your egg production now's the time to switch to a high-energy ration made with your own home grown feed and MoorMan's Mintrate. Your MoorMan Man will gladly show you how to build this high egg-producing ration. If no MoorMan Man calls on you, write Moorman Mfg. Co., Dept. R4-8, Quincy, Illinois.

Krone Klink, Mitchell Co., Iowa, says: "I've never fed anything that gets my pigs off to such a fast start as MoorMan's Mintrate for Pigs. Last year we brought along 168 pigs to an average of 207 lbs. in 5 to 6 months. Our total out-of-pocket cost for feed for the lot was only $947.65—an average of $5.65 per hog."

Milton Miller, Winnebago Co., Illinois, says: "We've fed MoorMan's Mintrate for Dairy Cows to our herd for 3 years. According to our 1953 DHIA Records our profit per cow over feed cost was $452.50. That's on an average of 16.3 cows. Total feed cost, including pasture came to only $157.00 per animal."

MoorMan's*

(Since 1885)

*Trademark Reg. U. S. Pat. Off

MAKERS OF VITAMINIZED PROTEIN AND MINERAL CONCENTRATES FARMERS NEED, BUT CANNOT RAISE OR PROCESS ON THE FARM

New Colgate Dental Cream with GARDOL*

Works instantly to stop
Bad Breath!

One brushing with New Colgate Dental Cream leaves your mouth cleaner, fresher for 12 hours or more—helps keep you socially acceptable. Tests show Colgate Dental Cream stops bad breath *instantly* in 7 out of 10 cases that originate in the mouth.

CLEANS YOUR BREATH...

Works constantly to stop
Tooth Decay!

One brushing with New Colgate Dental Cream guards against tooth decay for 12 hours or more. Night and morning brushings guard your teeth all day—all night. In this way, Colgate's Gardol works around the clock to stop the action of decay-causing enzymes. In full-year clinical tests, X rays showed far fewer cavities for the hundreds of people in the group using Colgate Dental Cream with Gardol. In fact, no new cavities whatever for 4 out of 5.

while it GUARDS YOUR TEETH!

GARDOL...
Colgate's
miracle ingredient
makes it
doubly effective!

HOW GARDOL WORKS:

Every time you brush your teeth with New Colgate Dental Cream, Gardol binds itself to your teeth . . . remains active for 12 hours or more. That's why Gardol, Colgate's long-lasting anti-enzyme ingredient, gives the surest protection against tooth decay ever offered by any toothpaste—leaves your mouth cleaner, fresher for 12 hours or more!

Gardol's protection won't rinse off or wear off all day. Thus, morning and night brushings with New Colgate's with Gardol give continuous protection around the clock.

*COLGATE'S TRADE-MARK FOR SODIUM N-LAUROYL SARCOSINATE

ONLY COLGATE'S GIVES YOU FULL GARDOL PROTECTION AGAINST TOOTH DECAY!

Tips for

Try these ideas that and make your food

● Give baked potatoes and steamed rice extra-good flavor and a touch of color by topping with *Savory Butter:* Cream ½ cup butter; add ¼ cup grated raw carrot and 2 tablespoons minced green onions. Place in a wet mold and chill until firm. Unmold and serve.—*Mrs. H. E. Chrisman, Nebraska.*

● For additional nutrition, substitute ¼ cup nonfat dry milk solids for that amount of confectioners' sugar in your frosting recipes. The frosting is less sweet, yet hardens nicely. (This amount is for a recipe which uses about 2 cups of confectioners' sugar. For larger or smaller recipes, adjust accordingly.)—*Mrs. Carl Naylon, Illinois; Mrs. Frances A. Dwight, New Jersey.*

● To flour a pastry board quickly and evenly, use a large powder puff purchased for that purpose. When not in use, the puff can be kept in the flour canister.—*Mrs. Pierce Duncan, Nebraska.*

● For a cool, refreshing appetizer, fill juice glasses with chilled apple juice. Just before serving time, add a small scoop of lime sherbet to each glass.

● To give spinach a new flavor, add a crushed clove of garlic to the liquid while cooking.—*Mrs. R. Komarek, Montana.*

● Try using the juicer attachment of your mixer for juicing tomatoes. Just cut out the core and juice the whole tomato as you would half of an orange or grapefruit.—*Mrs. Robert Schertz, Wisconsin.*

● Make a tasty horse-radish sauce by blending together 1 cup sour cream, ¼ cup prepared horse-radish, 2 tablespoons minced parsley, ¼ teaspoon salt, and a dash of pepper. Makes about 1¼ cups. Very good served with meats.—*Mrs. H. E. Chrisman, Nebraska.*

● Chocolate frosting will have a nutlike flavor if you add 2 tablespoons of chunk-

the cook

add sparkle to meals
preparation simpler

style peanut butter.—*Mrs. Ellen C. Kirby, New Jersey.*

● For nicely browned chicken or fish, dredge in a mixture of equal amounts of nonfat dry milk solids and seasoned flour. Fry as usual.—*Mrs. Arnold J. Sanders, Iowa.*

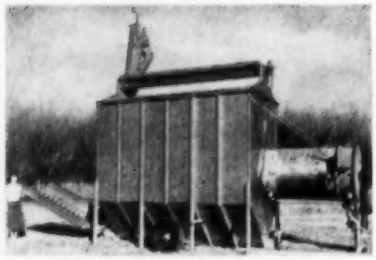
● Here's a quick, pretty dessert: Place a peach half in the bottom of a sherbet dish. Dissolve 1 package of your favorite-flavor gelatin as directed on the package. Im-

mediately fold in 2 stiff-beaten egg whites and pour over peach halves. Chill until set. If desired, serve with whipped cream. Makes 6 to 8 servings.—*Mrs. Eugene Dunphy, Iowa.*

● To give confectioners'-sugar frosting new color and flavor, dissolve about 2 teaspoons flavored summer-drink powder in a small amount of hot water and use as part of the liquid in the recipe.—*LeRoy TenBush, Michigan.*

● When making cookies that are to be formed into balls and flattened, such as peanut-butter cookies, use your steak

pounder to flatten them instead of a fork. It saves time and gives them an interesting texture.—*Mrs. Estelle W. Tiedeman, Minnesota.*



1954 Model with Folding Hopper

Farmer Makes $2,250 More From Corn with Help of

Behlen

COMBINATION

DRYING TOWER & HEAT BLOWER

"Our dryer enabled us to sell 9,000 bu. of new corn at the old price . . . 25c a bu. more than we would have received two weeks later . . . Our field losses were cut in half by being able to start 3 weeks earlier." — *Moffett Farms, Modesto, Ill.*

Cutaway view

Only Behlen dries small grains with such **speed** and **economy!** Reduces moisture content of 350 bu. from 25% to 15% in less than 1½ hours with farm tractor drive. Fastest drying rate ever! Owners report fuel cost of less than 1½c per bushel!

Galvanized Steel Tower fills through top; grain pours around sides of perforated inner air chamber! Heat blower generates up to 2,000,000 B.T.U.'s per hour . . . delivers direct heat with **no stack loss!**

Models for propane, natural gas, fuel oil. Other power sources besides tractor P.T.O. are electric motor, gasoline or propane engine. Portable unit has **folding elevator, rubber-tired wheels.** Write **today** for full information.

BEHLEN MANUFACTURING CO.
Dept. 60 **Columbus, Nebraska**

"Pickin's are pretty slim at Farmer Brown's now that he buys feed in burst-resisting BURLAP bags."

FREE. *Get cash for used burlap bags or make beautiful, useful burlap handicraft articles. Write for booklets.*

THE BURLAP COUNCIL
of the Indian Jute Mills Association
155 E. 44th St., New York 17, N. Y.

Amazing SUNFLOWER ROTO-SAW!

Cuts Down Trees
Cuts Up Branches
Clears Land Fast
Attaches to Most Tractors

Three-point hook-up to most tractors. Fast, dependable. Use year 'round. Operates from tractor seat. PRICED LOW. Guaranteed. In use throughout U. S. A. Built for long service!

FULLY PATENTED

FREE Folder . . . Write Today!

SUNFLOWER INDUSTRIES, INC.
519 So. Hanson Ave., Olathe, Kans.

Hog price break

From page 35

Omaha hog buyer: Lard will be lower this fall!

Simerl: The price of lard will probably decline sharply this fall. This is because of increased production in prospect and because of larger supplies of soybean oil and lower prices for butterfat.

Doane: Lard should follow live-hog prices in about the same ratio as now.

Will it pay to keep 180-pound hogs for another 15 to 60 pounds of gain, selling them in middle or late September instead of between the middle and last of August?

Kutish: Not this year. There will be a rush of pigs to market in August and September. Even with some price recovery in late September or early October, it will pay to sell as soon as hogs get to market weight. It might pay to get those hogs to 200 pounds if they dock 180-pounders.

Collins: If any great number of hogs are marketed light, there will be a severe cut if sold below top weights of 190 or 200 pounds. On a down market, it is usually wise to top out at 200 to 210 pounds—as feeding to heavier weights may take long enough to lose all the advantage of extra weight in the price drop.

Omaha hog buyer: Any time hogs reach weights of 200 to 220, they should be marketed. Weights under 200 pounds will sell at big discounts.

Simerl: Farmers' marketing schedules will determine this. I would figure prices around $20 for September and would sell 180-pounders in August if they would bring a good premium over $20.

Doane: Keep hogs on feed as long as 10 pounds of pork will buy 1 bushel of corn.

Expanding on the idea of taking more time to put on extra weight—what are apt to be critical weights and times so far as the market price is concerned, and what should we do about them?

Kutish: I think this will be a year when you won't want to be caught with heavy hogs.

Collins: The poorest time to make them bigger is on a down market. The safest plan is to top out at top market-price weights.

Omaha hog buyer: Hogs should be marketed before they weigh 240 or 250. Discounts on hogs over 250 pounds will make extra weight unprofitable.

Simerl: Farmers' biggest mistake in marketing hogs is in overestimating weights and selling too light in August and September. Result is that the farmer takes a bigger discount than he expected.

If in doubt, weigh some of your hogs before shipping them to market—and watch prices of the lighter weights as well as top prices as you get ready to ship your hogs. If discounts for light hogs appear to be excessive, feed until the hogs will be in a weight range with less discount.

Doane: I plan no changes from normal feeding and finishing. Weights and price ratios should not change too much from the present. Size of new corn crop could change this, however.

How many gilts should we separate from the fattening hogs to breed for next spring's litters?

Kutish: It depends upon your alternatives. I wouldn't count on over a 13-to-1 hog-corn ratio for the pigs farrowed next spring (that's about average). Each farmer knows this on abilities as a hog raiser. He should base his plans on how he can come out on this kind of a ratio.

Collins: For the good producers, there should be a profit in hogs in '55. For the inefficient producer, put the corn into other livestock or play it safe and seal.

Omaha hog buyer: Usual number.

Simerl: It depends upon each farmer's own situation—and upon prices in September and October. Good markets in those months will bring excessive production in 1955. But efficient producers almost always make money, so they will stay in with a normal number.

Doane: If you cut down on old sows, step up gilts to keep about normal numbers. I find my break-even point on feed cost of corn and protein is when 1 bushel corn = 10 pounds pork. I will not change my plans as long as this ratio or better prevails. **END**

Treacherous tractor tricks

Tipping over backward is caused by anchoring rear wheels. Tractor turns around axle, won't pull out

Drawings: Osborn

When it came to breaking broncos, Bill Brown was quite a whiz: But a truculent tractor compounded his fracture. Bill no longer is

"I buy hogs and sell feed

—that's why I picked PRO-LASS!"

"I'm an order buyer for the big packers," says Elmer Wurdeman of Leigh, Nebraska, "and I buy almost $1,000,000 worth of hogs a year. There's probably no one in a better spot to know what feeds can do. And believe me, I know for sure there's a real difference in hog supplements. For years I've seen hog raisers who feed Staley's PRO-LASS Hog Supplement hit the market sooner and get top prices. That's why I combined my two lines of business—buying hogs and selling Staley Feeds."

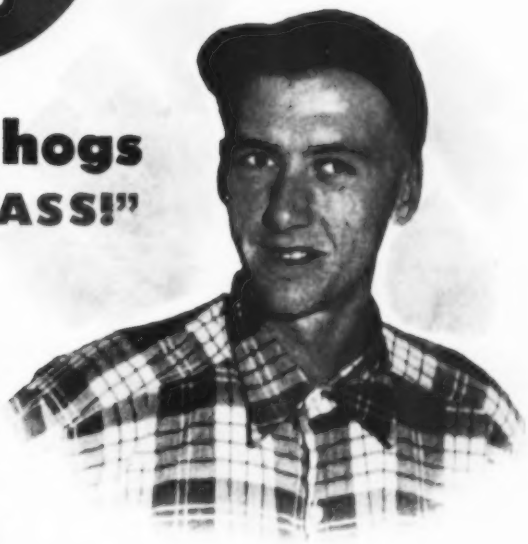
Yes, there *is* a real difference in hog supplements. One big difference is that Staley PRO-LASS is loaded with sugar, the magic ingredient that helps get hogs to market up to *one-third faster* than ordinary protein supplements. Sugar whets the appetite . . . not only for PRO-LASS but for grain, too . . . gives you a chance to pour the nutrients into shoats for that important push to market. Sugar also provides quick energy and stimulates thirst . . . keeps hogs drinking the way they should for good health and cheap gains.

staley FEEDS

No. 631-54
Copyright 1954, Staley Milling Company

"I buy feed and sell hogs

—that's why I picked PRO-LASS!"



"I'll say there's a difference in hog supplements!" say Russell Popp, hog feeder near Manilla, Iowa. "These Staley people are really on their toes. I read about a new improvement in hog supplements. Next thing I know, Staley's PRO-LASS has it. I guess there's a good reason why PRO-LASS really stretches my corn and does such a good job of controlling scours."

If you think all hog supplements are alike, we dare you to try PRO-LASS! We dare you to see what a difference sugar can make in pushing hogs to market fast . . . what a difference a modern, scientific level of protein can make in efficient feed conversion . . . how antibiotics, vitamins and minerals can stimulate growth and reduce scouring! Get a supply of PRO-LASS from your local Staley feed dealer today and see for yourself.

Staley Milling Company
Kansas City 16, Mo.
Branch Plant: E. St. Louis, Ill.

Sugar-Rich

PRO-LASS

HOG SUPPLEMENT

Dirty eggs cost . . . *all down the line*

Everyone from producer to consumer takes a beating on dirty eggs. But you end up biggest loser of all

Soiled eggs usually end up in grade C, even though the interior quality may rate grade A or even AA. As a result, *poultrymen get from 10 to 40 cents per dozen less for eggs which would bring top prices if handled right.*

To combat the dirty-egg problem, researchers in a dozen North Central states experiment stations, cooperating with the U.S.D.A., pooled their findings.

Cleaning not the answer

While cleaning may be necessary—and practical—at the farm level, it lowers the interior quality. Cleaned eggs need to be packaged separately and marked for immediate use. Work at the Ohio Experiment Station shows that cleaning results in more rots and stuck yolks. These appeared when eggs were held longer than a few days without refrigeration.

Manure biggest cause

Studies at the Missouri Experiment Station show that about 95 percent of soiled eggs have manure on them. Only 2½ percent are stained with blood, 2 percent are soiled with egg material, and ½ percent have dirt on them.

What poultrymen can do

Farm practices were studied by several experiment stations to determine just *which practices are necessary to produce clean eggs.* Here are their findings:

1. Frequent gathering—at least 3 times daily—is the most important. Most soiling comes from the hens' feet.

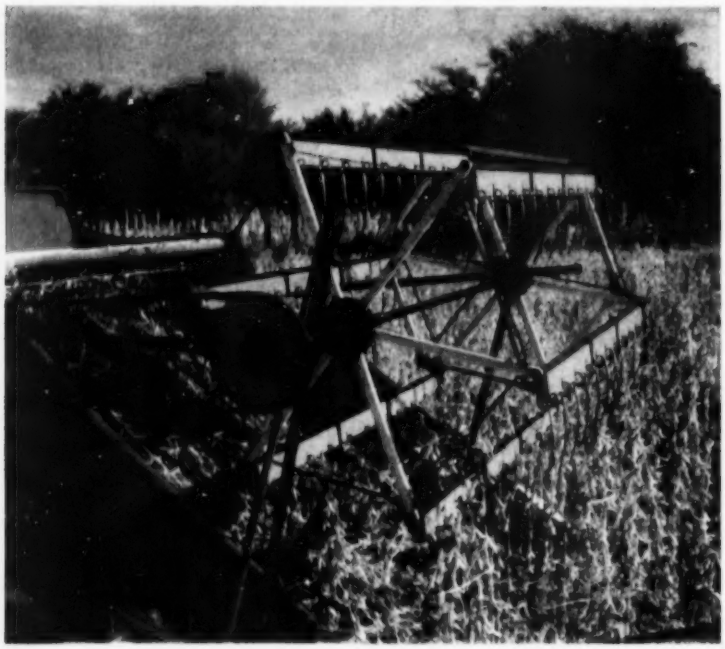
2. Dry litter helps keep the hens' feet clean. Adequate ventilation, adding new litter to old built-up litter, and stirring keeps the litter loose and dry.

3. Nesting material needs to be clean and dry. Granular types of nesting material, such as shavings, sawdust, ground corncobs, are better than the coarser types such as hay and straw. Plenty of nesting space—one nest for every 4 or 5 birds—also is necessary.

4. Confine layers to keep eggs clean.

If cleaning is necessary

Slightly dirty eggs may be buffed with a brush if only a few are to be done. However, for larger operations, cleaning with a washing solution is recommended. The solution should be slightly warmer than the eggs' temperature and contain a cleaner-sanitizer. It is especially important to follow directions on the container. But in any event, clean eggs on the day laid and use the washing solution on the soiled eggs only.



The Hume Reel in action! There's a model for all combines and windrowers. Rugged, clear oak bats — 8-inch coiled, spring-steel tines.

H. D. HUME COMPANY
Specialized Farm Equipment
Mendota 8, Illinois

HUME

Write to factory for free illustrated folder and nearest distributor.

give your harvester

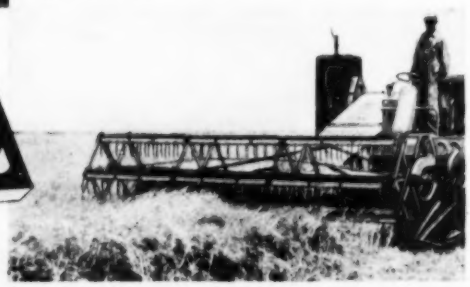
FINGERS

to gather more bushels

A HUME REEL gathers . . . gleans . . . gets all the crop! Finger-like tines penetrate *vertically*. They gently *lift* grain, beans, seed or forage crops — cleanly . . . without shattering!

Equip your combine or windrower with a Hume Reel now — and leave it on! From your best field — and from your worst field, you'll gather *more* bushels. When crops are lodged, rank, short, brittle or tangled — the Hume Reel will *save* the crop when other methods fail.

Unharvested kernels are money on the ground. Go after those "lost" bushels! Order a Hume Reel to fit your combine or windrower — available through your implement dealer!



Justifying your farm machinery

Thinking of buying some new machinery? Ask yourself—how much annual use must I make of various types of farm machinery to justify their purchase? Here are some figures from the Pennsylvania Experiment Station which may help you in buying new farm machinery:

Machine	Annual cost to own*	Annual use to justify
6-foot combine (power take-off)	8180	50 acres
6-foot combine (auxiliary engine)	237	70 acres
12-foot combine (self-propelled)	548	180 acres
One-row cornpicker (pull type)	124	36 acres
Two-row cornpicker (mounted)	202	50 acres
Forage harvester (power take-off)	185	50 acres
Twine-tie baler (power take-off)	193	84 tons
Twine-tie baler (auxiliary engine)	329	142 tons
Diesel tractor		1,500 hours

*Includes depreciation, housing, taxes, insurance, and interest.

Low-cost, efficient

Creep feeder

Photograph: Travis

Here's a creep feeder that could be built by anyone.

Lyman P. Bice, Whitstran, Washington, used some scrap lumber and old shingles to construct an 8′ feeder, mounted on skids, and roofed to keep out rain.

Gaps in side fences are large enough to let calves through but keep cows out.

Ends of the feeder are wire-hinged gates. Entire fence structure folds up, can be loaded on a truck or pickup for easy moving. Feeder is pulled behind. Rig cost about $20.—*F. T., Washington.*

says C. N. ROSE, owner, Rose Feed Co.

R. H. PHILLIPS, chicken rancher, says:

You can increase your profits

with Kaiser Aluminum Roofing—now available 48 inches wide!

Now you can get light, strong, high-grade Kaiser Aluminum roofing in 48"-wide sheets, in addition to regular 26" widths!

These big sheets can cut your roofing time drastically because they go up *faster and easier!* One sheet covers far more area, and there's only one lightweight sheet to handle instead of two! 48" sheets save you from 7 to 11% in metal over standard widths because there are up to 50% fewer side laps, so each sheet goes farther.

Ask your building materials dealer to explain the many advantages of new, better-looking, more efficient 48" wide Kaiser Aluminum roofing—available in 2½", 1¼" corrugations and 8-V crimp. He'll be glad to help you estimate your requirements.

Keeps interiors up to 15° cooler • Light weight, easy to erect, low construction costs • No red rust stains • Corrosion-resistant • No painting • Low maintenance • Strong and durable

Kaiser Aluminum

The quality roofing for better farm buildings

NEW! low-cost building plans

EIGHT NEW BUILDING PLANS specifically designed by farm building specialists help you benefit from all the advantages of Kaiser Aluminum Roofing. Many of these plans feature low-cost pole type construction.

Each plan is a *complete set of blue prints*—includes section details, elevations, bill of materials!

CHECK THE PLANS YOU WANT on the coupon and mail it today! Also be sure to check for your valuable *free* folders, entitled "Estimating Guide for Aluminum Roofing" and "How to Apply Aluminum Roofing."

____I enclose $_____ to cover the cost of the new building plans checked below.

____Stable Barn ($1) ____General Purpose Barn ($1)
____Machine Shed ($1) ____Broiler-Layer House ($1)
____Range Shelter (25¢) ____Poultry Range Shelter (25¢)
____Barn ($1) ____Production Broiler House ($1)
____How to Apply (FREE) ____Estimating Guide (FREE)

KAISER ALUMINUM & CHEMICAL SALES, INC.
FARM BUILDING PLAN SERVICE
4818 Kaiser Building, Oakland 12, California

Name_____
Street_____
City_____ State_____

Announcing A Revolution in Motor Oils!

Now at your Phillips 66 Dealer's... the first All-Weather Motor Oil to meet the highest standard ever established for automobile lubrication. Saves money on truck and tractor operation, too.

PHILLIPS 66 TROP-ARTIC Motor Oil is the first all-weather oil to meet the requirements of the Mil-0-2104 Supplement 1 test . . . *the toughest standard ever set up for automobile lubrication.* It is an oil which will serve you winter and summer, not only in your car, but in your truck and tractor, too.

Compared to ordinary motor oils, new TROP-ARTIC reduces piston ring wear 40% or more. It cuts oil consumption 15% to 45%. It keeps pistons cleaner. It saves you money by increasing gasoline mileage. This has been demonstrated in tests representing over 150,000 miles of driving.

Phillips 66 TROP-ARTIC is a superior *all-weather* oil . . . S.A.E. 10W—30. Therefore it flows instantly for easy starting at sub-zero temperatures, and yet it retains the film strength necessary to prevent engine wear under *high* temperature driving conditions. It isn't just *heavy* duty. It's *double* duty.

Any car, tractor or truck, at any time of the year, will benefit from continued use of Phillips 66 TROP-ARTIC. It is a worthy companion product to Phillips 66 FLITE-FUEL, the high performance gasoline introduced by Phillips. Get it from your Phillips 66 Dealer or Tank Truck Driver.

PHILLIPS PETROLEUM COMPANY

Trop-Artic

THE NEW

All-Weather

MOTOR OIL

Poultry

Hot weather causes thin eggshells

Oystershells alone won't keep your hens from laying thin-shelled eggs.

Research has shown that high temperature has a direct effect on thickness of eggshells. Hens will lay thicker-shelled eggs even in summer if they are kept in an artificially cooled place. And hens exposed to summer temperatures in the winter will lay thin-shelled eggs.

However, hens still need oystershells and vitamin D in normal amounts during the summer months, as they are both needed in the shell-building process.

• • • •

Chopped forage makes good feed for turkeys

Twelve acres of alfalfa-brome furnished green forage for 8,000 turkeys from July 10 to September 10 on the Maplecrest Farms, Wellman, Iowa. The turkeys were kept confined in a laying shed.

Farm manager Jay Brenneman listed these advantages of green-lot feeding:

1. Labor costs were cut considerably.
2. Disease was no particular trouble.
3. The same acreage produced twice as much green feed as when used for range.
4. The turkeys did just as well.
5. The chopping method makes it possible to use the same field for meadow more than one year.—*W. J. B. B., Iowa.*

• • • •

Pole-type house maintains high summer production

This pole-type summer laying house (below) is designed to provide comfortable laying conditions needed for high summer egg production.

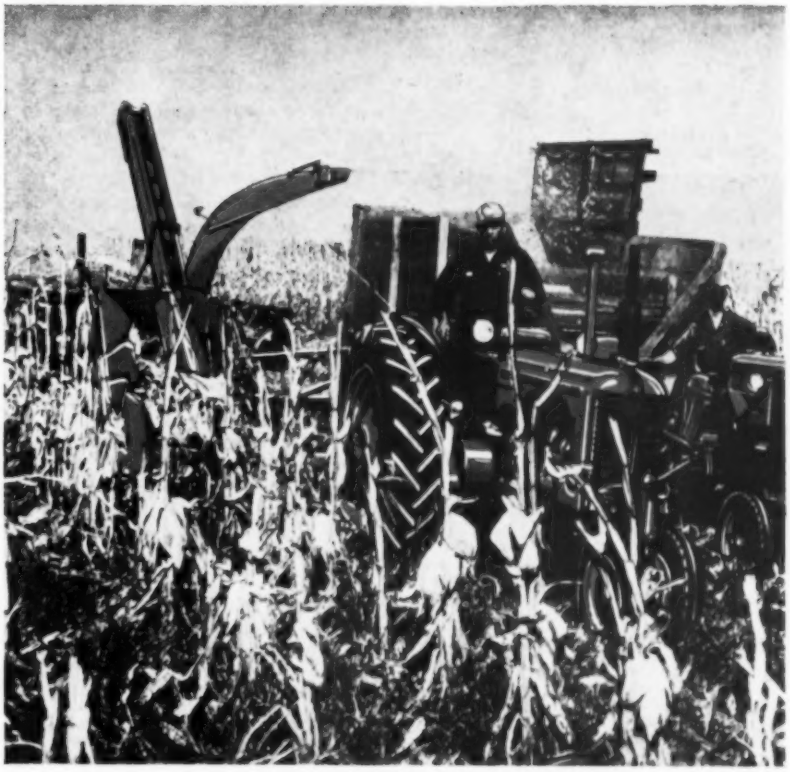
The building is 30′x80′ and houses 800 hens comfortably. Cost was $1,750, including nests, feeding and watering equipment, and piping running water to the building. Poles are set 8 feet apart. A 6-foot wire netting, extending 18 inches into the ground, encloses the building on all four sides, giving the building complete cross ventilation.

By covering the windows and doors with panels, the house also can be used for winter housing of the laying flock.

Photograph: Kutish

New Case Corn Harvester

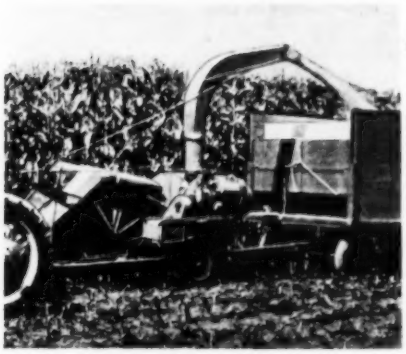
Saves the bushels you lose...



. . . plus chopped leaves and stalks

- **for low-cost roughage**
- **absorbent bedding**
- **or field organic matter**

Now you can do something about the bushels usually lost by mechanical picking. The new Case Corn Harvester unit, which fits on the base Forage Harvester, saves practically every kernel that shells from the ear—salvage that means $6 to $10 an acre on the average. At the same time it chops or shreds leaves and stalks into valuable stover for dry roughage or low-cost silage . . . excellent bedding . . . or fine ground cover that makes plowing and disking so much easier.



For regular silage, you use the same base machine. Just wheel the Row-Crop unit into place, tighten three bolts and go. Chops corn, sorghums or any row crop into lengths from less than ½-inch to 3 inches or more.

One man works two rows with the Case Picker-Sheller . . . and picks, husks, cleans, hauls and unloads up to 600 bushels a day. With help so scarce...and high-priced too . . . you get this job done at low cost in fast time.

Make the most of a crop that cost money to grow

There's plowing, disking, planting . . . cultivating once or more . . . adverse weather and borers to fight. Your costs gradually climb to a sizeable investment. To get back the most for your money, time and labor . . . you want to harvest efficiently, fast . . . get maximum yields. That's where Case Corn Machinery pays you well, saving that part of the crop ordinarily lost . . . those extra bushels, those leaves and stalks whether for silage or stover . . . plus a substantial reduction in costly man-hours, repairs and breakdowns. Call on your Case dealer now—get the money-making facts about Case Corn Machinery.

Be sure to ask about the Case Income Payment Plan for buying money-saving machines with payments scheduled when you have money coming in.

SEND FOR FULL STORY

Check below or write on blank line any farm machine or tractor that interests you. Send to J. I. Case Co., Dept. H-774, Racine, Wis.

- ☐ New Corn Harvester
- ☐ Big Picker-Sheller
- ☐ Forage Harvester with Row-Crop unit

What else _____

Name _____

Post Office _____

RFD _____ State _____

Soils and crops

Seeds birdsfoot in legume mixture

This picture was taken just a year ago on the William Zenishek farm, Johnson County, Iowa. In Zenishek's hand is a birdsfoot trefoil seedling in the oats nurse crop at about heading time. *Successful Farming* checked with him in the spring of 1954, and this stand of birdsfoot came through in spite of drouth.

"It's a little thinner than usual," he says, "but good enough to leave."

Zenishek seeds all his birdsfoot this way, using about a bushel of oats per acre as a nurse crop and then pasturing off the oats.

This field is for hog pasture, so he seeded straight legumes—6 pounds of alfalfa, ½ pound of Ladino, and 3 pounds of birdsfoot. From past experience, he expects the alfalfa and Ladino to eventually disappear, leaving a permanent bluegrass-birdsfoot pasture.

• • • •

Cool summer, not hybrid, decreases corn protein

Belief that hybrid corn contains less protein than the open-pollinated varieties has been contradicted by a U.S.D.A. chemist, F. R. Earle.

Records show that protein content in corn was often as low back when open-pollinated varieties were grown as in today's hybrids. But the average protein content *increased* in open-pollinated varieties during the '30s, with higher-than-normal top summer temperatures.

There has been a notable decrease in corn's protein content since the middle '30s—from about 11 percent, on a dry-weight basis, to under 10 percent on the average. Many farmers think this drop was caused by the new hybrids.

"But it wasn't," Earle says. "The decrease in protein content since 1934 is definite and has been remembered, but the 1928 to 1934 increase was just as definite and has been forgotten."

He emphasizes that corn protein content is greatly influenced by climatic conditions, although other factors such as fertility also influence the content.

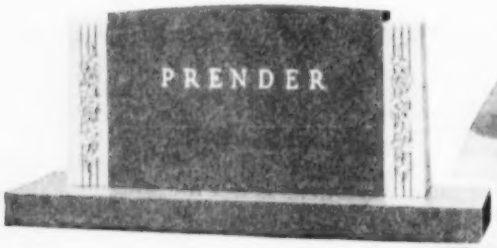
• • • •

Now we add suds when side-dressing

Weeds are knocked out when a common dishwashing detergent is added to ammonium nitrate solutions used in side-dressing corn.

The solutions contain around 21 percent nitrogen, usually just sprayed on the surface of the ground. If sprayed when small so as to be thoroughly wet by the mixture, the weeds will fold up within a few days. The discoverers, G. C. Klingman and J. C. Davis of the North Carolina Agricultural Experiment Station, sprayed corn twice to get the best control, the first time at 5 weeks and the second, 2 weeks later.

About 2 pounds of the detergent was added to each 100 gallons of the solution—enough for about 2 acres if 80 pounds of nitrogen were applied per acre.



When only the heart can speak...

Your innermost feelings – your love, your respect, your fondest recollections . . . are reflected in your choice of a family monument. So it must be truly worthy of all that is within you

ROCK *of* AGES

Barre Vermont

BARRE GRANITE FAMILY MONUMENTS

Only Rock of Ages Authorized Dealers offer you the reassuring Rock of Ages Seal — and the exclusive written Double Protection Guarantee — to you *and* your cemetery — which means you always will have someone to protect your investment. Look for your Dealer in the telephone Yellow Pages. Ask him, or write us, for free booklet "How To Choose . . ."

ROCK OF AGES

Reg. U.S. Pat. Off.

Corn cover for waterways

Corn makes an excellent waterway cover, reports the United States Soil Conservation Service in Ohio.

The fast-growing corn protects the soil against washing sooner than other crops. From 4 to 6 bushels of corn are drilled or broadcast into the freshly worked waterway. The corn can be mowed and fed, then the waterway worked up again in mid-August and a grass seeded.

• • • •

Fertilizer limited?

An Ohio experiment shows how to increase yields by doling limited fertilizer out among the crops. Five hundred pounds of 4-16-4 were used per acre per rotation.

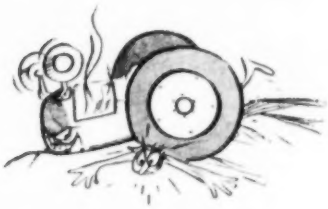
One hundred twenty-five pounds of fertilizer applied each year tallied up to 10.7 bushels more corn, 10 bushels more wheat, 12.1 bushels more oats, and 1,390 pounds more hay. When all of the fertilizer went on the corn crop, the yield jumped on up 14.6 bushels over check, but little or no increase from the following crops because there was little left to carry over. Results were similar when *all* was applied at other points in the rotation.

Treacherous tractor tricks

More than 50 percent of the farm tractor accidents involve an overturned tractor. Most are caused by *turning at high speed*

Drawings: Osborn

Though tractors aren't jets,
Kids still place their bets
On how to take a fast corner . . .



But they forget this big factor —
That any treacherous tractor
Can make any mother a mourner

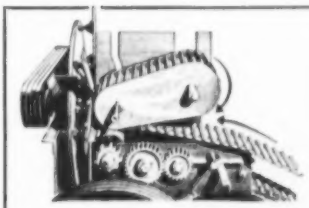
New PTO Forage Harvester with row crop attachment can chop and load up to 24 tons an hour in the tallest stands.

NEW harvester covers your fields up to 50% faster!

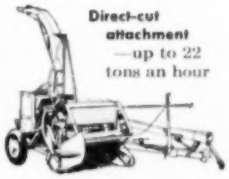
New Holland's new Forage Harvester chops and loads up to 24 tons of corn silage an hour!

The new 6-knife flywheel on New Holland's Harvester lets you increase ground speeds as much as 50% . . . gives you a choice of cutting lengths ranging from ¼" to 4¼".

See your New Holland dealer for a complete line of engine-powered and power take-off harvesters with quick-change attachments. He's your Grassland Farming Headquarters. The New Holland Machine Co., a subsidiary of The Sperry Corporation.

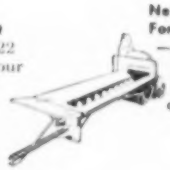


Exclusive New Holland Flo-Trac Feed prevents slippage of material right to the 112 sq. in. throat opening. Upper apron is fully floating front and rear to keep constant control of light or heavy material for even cutting.



Direct-cut attachment —up to 22 tons an hour

Windrow attachment —up to 22 tons an hour



New Holland Forage Blower —up to 36 tons of grass, 48 tons of corn an hour

NEW HOLLAND

"First in Grassland Farming"

Free booklet! We'd like to send you a new booklet, "How to make silage in stacks and trenches," that gives complete information on the use of silos in making silage. For your free copy, write: New Holland Machine Co., 408 Maple Street, New Holland, Pa.

Name_____

Address_____

Town_____ State_____

When it's CLOROX-clean... it's SAFER for family health!

Ice-cream desserts

From page 52

Date-Nut Sundae Topping (Makes 1 cup)

- ½ cup sliced, pitted dates
- ½ cup dark corn syrup
- ¼ cup brown sugar
- ¼ cup water
- ⅛ teaspoon salt
- ½ teaspoon vanilla
- ½ cup chopped pecans

Combine dates, corn syrup, brown sugar, water, and salt in a saucepan. Bring to boiling and cook 2 minutes over medium heat, stirring constantly. Remove from heat; add vanilla and pecans. Mix well. Cool; serve over vanilla ice cream.

Super-smooth Chocolate Sauce
(Makes about 1¾ cups)

- 1 13-ounce can (1⅔ cups) evaporated milk
- 1 cup sugar
- 2 squares unsweetened chocolate
- ½ teaspoon salt
- 1 teaspoon vanilla

Combine milk, sugar, chocolate, and salt. Cook over medium heat until smooth and thick, stirring constantly. Remove from heat; add vanilla. Serve hot or cold over vanilla ice cream.

Frosty Orange Float

For each glass, mix 2 tablespoons frozen orange-juice concentrate and one small scoop orange sherbet. Add chilled carbonated water until glass is ⅔ full. Add 2 more scoops orange sherbet; fill glass with carbonated water.

Chocolate Rocky-road Ice Cream
(Makes 6 to 8 servings)

- ⅔ cup sweetened condensed milk
- 1 square unsweetened chocolate
- ½ cup water
- ½ teaspoon vanilla
- 1 cup heavy cream
- 3 tablespoons milk
- ¼ pound marshmallows (about 16) cut in eighths
- 1 cup chopped walnuts

Cook sweetened condensed milk and chocolate in double boiler until thick, stirring frequently (about 10 minutes). Add water gradually, mixing well. Chill. Add vanilla. Whip cream and fold into chocolate mixture. Pour into refrigerator tray and freeze until firm. Pour milk over marshmallows; let stand to soften. Break frozen ice cream into chunks; beat with electric mixer until smooth.* Fold in marshmallows and nuts. Return to tray; freeze firm.

*Or, freeze mixture partially; beat until smooth with a rotary beater.

Party Punch (Makes about 30 servings)

- 2 5- or 6-ounce cans frozen lemonade concentrate
- 1 6-ounce can frozen orange-juice concentrate
- 9 cups ice water
- 5 pints pineapple sherbet
- 1 quart vanilla ice cream

Combine frozen concentrates and water. Place sherbet and ice cream in bottom of punch bowl. Break in small pieces with large spoon. Add juices. Stir until sherbet and ice cream are partially melted.

Vanilla Ice Cream (freezer)
(Makes 1 gallon)

4 eggs
2½ cups sugar
6 cups milk
4 cups light cream
2 tablespoons vanilla
½ teaspoon salt

Beat eggs until light. Add sugar gradually, beating until mixture thickens. Add remaining ingredients; mix thoroughly. Pour into freezer can, filling ⅔ full. Fit can into freezer; adjust dasher and cover; pack finely chopped ice and ice-cream salt around can, using 4 parts of ice to 1 part of salt. Turn dasher slowly until ice partially melts and forms a brine. Then turn handle rapidly and constantly until the crank turns hard. Remove ice from around top of can; take off lid and remove dasher. Plug opening in lid and replace. Add more ice and salt to fill freezer. Allow ice cream to ripen about 4 hours.

Lemon Sherbet (Makes 8 servings)

2 teaspoons grated lemon peel
½ cup lemon juice
1½ cups sugar
2 cups milk
2 cups light cream

Combine lemon peel, lemon juice, and sugar. Allow to stand half an hour. Add milk and cream. Turn into refrigerator tray and freeze until firm. Remove to chilled bowl and beat with electric mixer or rotary beater until light and fluffy. Return to refrigerator to finish freezing.

Butterscotch Sauce (Makes about 1¼ cups)

¾ cup brown sugar
2 tablespoons butter
Few grains salt
½ cup light corn syrup
½ cup light cream

Place sugar, butter, salt, and corn syrup in heavy saucepan. Cook over very low heat, without stirring, to 234° or until a soft ball forms when a little of the mixture is dropped in cold water. Cool slightly. Stir in cream. Serve warm or cold. This sauce thickens on standing; thin with 1 or 2 tablespoons of milk or cream if a thinner sauce is desired.

SUCCESSFUL FARMING

"When you get through with that, make something for your birthday."

buy White

Guaranteed by Good Housekeeping

There's no more helpful handyman around a farm home than a good supply of "piping hot" water . . . always ready *where* you need it, *when* you need it. It's easy and inexpensive to have, too. Just install two super-heating *White* Water-Hotters, one for the house and one for farm chores. You'll soon see that housework is lighter, farm profits are higher. Write today for FREE facts. White Products Corp. Dept. W-8, Middleville, Michigan.

FILM OF FLAME—Single port burner in gas Water-Hotter means NO clogging ever. Amazingly fast "pick-up" for PLENTY of hot water always on tap.

6.9% MORE HOT WATER than most utility requirements, in electric models, because *White*'s exclusive Water-Hotter baffle diffuses, tempers incoming cold water, minimizes temperature drop.

PLUS 14 BUILT-IN QUALITY FEATURES for long, long years of dependable, trouble-free service.

AN EDWARD LAMB ENTERPRISE

White WATER-HOTTER
Automatic Water Heaters
Electric or Gas
Water Heating Specialists Since 1930

NO SMOKE
Monogram
NO SOOT

See it PROVE IT TO YOURSELF

No Smoke! No Soot! No Odor!
with amazing QUINCY
Monogram
OIL HEATERS

- Magic-Mixer burners actually turn fuel oil into clean "GAS"
- Save up to 40% on fuel costs

Only Magic-Mixer burners completely *vaporize* fuel oil, mix it with air, then burn this thrifty GAS . . . without smoke, soot or odor! It's healthier heat . . . your walls and furnishings stay cleaner, too. The exclusive tri-purpose fan provides forced draft, draws in cool air, circulates warm air. Thermatic control gives you completely *carefree* automatic heat . . . uniform comfort all through the house. Beautiful Quincy Monogram heaters are available in sizes to suit nearly every home. See this wonderful new heater at your dealer's . . . see how it burns clean —even without a flue connection!

See the Quincy Monogram at your dealer's or write today for free folder.

FREE
PRE-SEASON OFFER
(Limited time only)

Thermatic control—for completely automatic heat regulation—is our free gift to you for buying NOW.

$23.30
VALUE

The QUINCY STOVE MANUFACTURING CO.
QUINCY, ILLINOIS

A Valuable Short Course on "How to Save More Pigs"

Successful Farming editors have prepared a film strip with 10-page commentary, illustrating successful raising techniques. Sale price: $2.25. Write Successful Farming.

HOW TO GET THIS
Amazing New
HARVEST-HOARDER
FREE!

Don't get caught again this year! Don't put up with "has-bins"! Now is the time to order a real, lifetime crib or bin for drying and storing your wheat and corn. Open or temporary bins are a breeding place for rats, which destroy an estimated billion dollars worth of crops every year. These make-shift cribs expose your harvest to vermin and mold and weather!

Now you can get a modern, fireproof, all-steel bin that costs little more than cheap temporary and open cribs! The amazing new Martin HARVEST-HOARDER removes every bit of excess moisture from your grain. Your wheat *can't* mold, *can't* spoil—you get *more* wheat, because you get it *all!*

MAKE MORE MONEY. No more waiting for hot, dry weather! No more wheat shattered and lost! Now you can harvest your crop at top condition when it won't shatter—and dry it even during wet weather in the HARVEST-HOARDER.

No more dockage, either! You get full price—up to 15c a bushel extra at the elevator—for wheat that has been scientifically dried by the HARVEST-HOARDER. Or you can store it without any danger of spoilage, and hold it as long as you want for highest prices.

You can use the HARVEST-HOARDER this fall to dry your corn. When corn is too moist, you lose 10% to 15% by conversion into heat. The HARVEST-HOARDER brings your corn down to ideal moisture content and saves this loss, besides giving you top grade corn.

DOUBLE PURPOSE PAYS DOUBLE PROFITS. The HARVEST-HOARDER is especially designed for drying and storing *both* grain and corn. The fully enclosed sides give complete protection from the weather, as well as from all rats, mice and other vermin. The perforated floor with bottom plenum chamber, illustrated in circle, holds either small grain or ear corn, yet provides perfect circulation of air. Capacities from 500 to 2,300 bushels of ear corn.

STOP THESE LOSSES NOW! You may not know how much corn or grain you lost last year, due to high moisture and mold, and from exposure to rats, mice and vermin, but 25% to 50% is not unusual. Save those losses this year! Every single kernel you grow can be fed or sold; the HARVEST-HOARDER actually costs you nothing—it *pays for itself* with what it *saves* in just two or three harvests! Let us show you how.

SEND TODAY!
GET FREE DETAILS BY RETURN MAIL

No need to write a letter or anything—just put your name and address on the back of a post card and mail to:

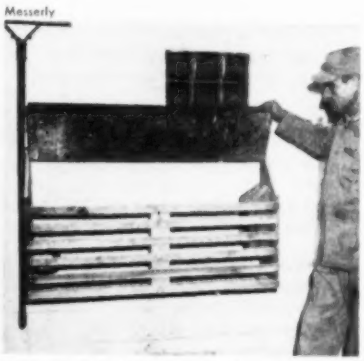
MARTIN STEEL PRODUCTS CORP.
2502 Longview Ave., Mansfield, Ohio
5409

Successful shortcuts

Photograph: Riggle

Handy side door in truck bed enables E. P. Schrader, Lancaster County, Nebraska, to unload grain from the side. Door is made of $\frac{1}{8}$" sheet iron. Handle and top member are made of pipe, and lever arms are made of 3/16"x$\frac{3}{4}$" cold rolled iron.

Messerly



"Klink for kluckers" takes the set out of a setting hen for Ed Ringhofer, Owatonna, Minnesota. Jailhouse is in corner of henhouse; handy for locking up hens.

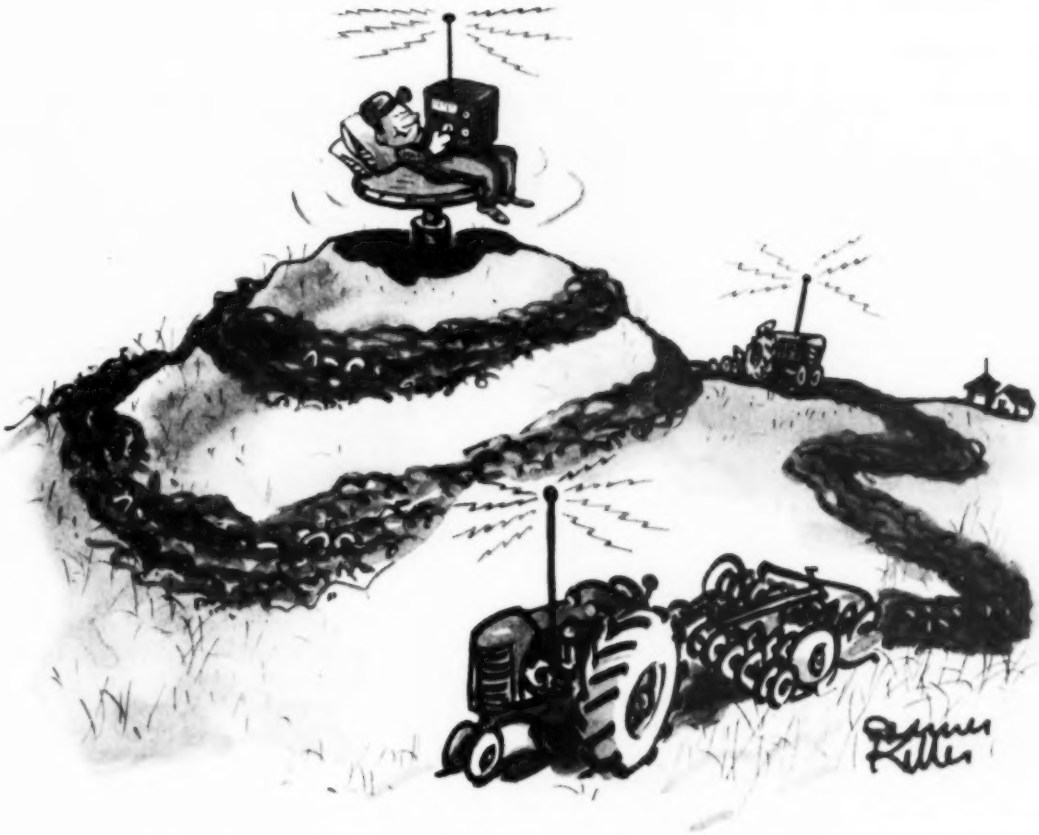
Most hens are ready to return to work in 2 or 3 days. Sides and top are 1x12s, bottom is $\frac{1}{4}$" wire mesh, front has slats.

Aiken

Ear-corn chute built by W. E. Wine of Spotsylvania County, Virginia, shuts off flow of corn quickly and easily when corn is being fed into the mill.

Notches on handle make it easy to regulate size of flow. When closing off chute, corn never blocks shutoff gate.

WHAT'LL THEY DREAM UP NEXT?



If It Needs Special "Hot Spot" Protection—

Count on Versatile Mobilgreases

Farm machines have come a long way in the last half a century. And every advance has meant less physical work for the farmer—but not necessarily *less wear* of equipment. Worn parts can still cause breakdowns, repairs, lost time and money.

That's where Mobilgreases come in!

These top-quality greases meet all farm machinery needs...seal out dirt and moisture...supply tough, lasting lubricant films that protect wear surfaces against heavy shock loads and friction.

Proper maintenance with Mobilgreases means longer life for all your farm machines.

Mobilgas
SOCONY VACUUM

Call in Your Mobilgas-Mobiloil Man

SOCONY-VACUUM OIL CO., INC., 26 Broadway, New York 4, N. Y., and Affiliates: MAGNOLIA PETROLEUM CO., Dallas; GENERAL PETROLEUM CORP., Los Angeles

That Vital Fraction of an Inch Between Your Buildings and the Weather...

By M. Van Loo, A. B., M. S., M. A. (Hon.) Director of Paint Research, The Sherwin-Williams Co.

Weather certainly is important to every farmer. Sun, rain, dew, frost, hail, ice, snow—every change in weather affects him in one way or another. Perhaps you never realized that paint chemists are just as vitally interested in weather as the farmer is. It is the responsibility of the paint chemist to provide you with a paint film that will protect your home and buildings against every one of these elements of weather . . . not for just a season but for years.

Take a look at the transparent wrapper on a pack of cigarettes—it is almost exactly a thousandth of an inch thick. Perhaps you have never thought of it in this way but the film of paint which stands between your home or buildings and the weather is probably only about as thick as three to five layers of that cigarette wrapper. Of course, it follows that such a film has to be made just right to do all you expect and should get from a good exterior paint.

Why do we know that SWP House Paint can do this job for you? Frankly, it is because we have put our paints through every kind of laboratory and field test that we can devise. And believe me, that takes not a matter of days or months . . . it takes years! I wish that you could all see our research laboratories. We're very proud of them . . . the complex instruments we use, and our exposure stations and house tests all over the country. I know then you would share our confidence that the film of SWP House Paint you put on your home and buildings can take all the hard knocks weather can throw at it . . . and keep coming back for more!

The Sherwin-Williams Co.
1291 Midland Building
Cleveland 1, Ohio

Please send me your *free* booklet, "The Home Decorator".

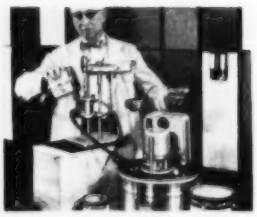
Name

Address

City Zone or R. R. State

SWP HOUSE PAINT

Real "Life Insurance" For Farm Buildings



Tested for Your Protection

. . . A most exacting testing procedure through every step of manufacture assures maximum beauty and protection in SWP House Paint. Laboratories in every Sherwin-Williams factory are charged with the responsibility of absolute quality control of every gallon produced.

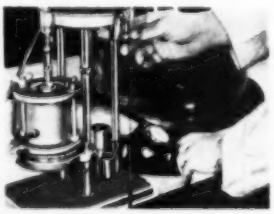
It pays to be "choosy" when you select the brand of exterior paint to be used on your buildings. The slight difference in cost between world-famous SWP® House Paint and house paint of ordinary quality pays for years of extra wear and is one of the wisest economies you can make.

In 1953, Sherwin-Williams SWP House Paint was used to paint more homes in America than any other brand. Why? Continuous research in Sherwin-Williams Testing Laboratories and in the field has insured constant improvement and the top-quality performance of SWP. You'll be money ahead when you discover there *is* a difference in house paints!

White and Colors That Last

. . . All over the country, Sherwin-Williams maintains test stations where house paints of every type are exposed to years of weather and wear. SWP white that stays *whiter* and SWP colors that maintain their brilliance are the direct result of this painstaking research.

Go to the store that displays this famous trade-mark . . .



Ease of Application Assured . . :

Invented by Sherwin-Williams Testing Laboratories, this instrument, known as the High Shear Viscometer, is an extraordinary development which measures the brushing qualities of paint scientifically. This testing procedure has made possible the superior brushing qualities in SWP House Paint which insure remarkable ease of application.

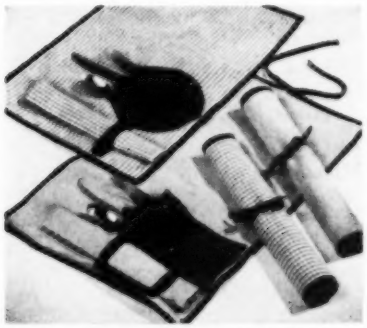
SHERWIN-WILLIAMS HOUSE PAINT

Let us recommend a reliable painting contractor.

Buffet-table pickups

For easygoing buffets, try these pick-up-your-silverware ideas to solve the start-of-line bottleneck

Lacquered baskets give double service. At start of the buffet line, baskets are handy napkin and silverware holders. As cheerful invitations to "serve yourself," each guest can quickly heap a basketful of finger foods from around the buffet table



Roll-ups make handy service holders and place mats. Use 12"x18" denim rectangles, red-and-white checked and plain watermelon pink. Bind with black bias tape. Applique silhouettes of frying pan or coffeepot to hold the silverware and napkin

Photographs: Stanley

Silverware tray from the kitchen drawer organizes the silver and napkin pickup. Choose a colorful plastic or wood tray to complement your brightest pottery. Really speeds up that line and takes little room on even the most crowded of buffet tables

Millions and millions love Kool-Aid—and you will, too!

Kool-Aid

5¢ package makes two quarts

Kool-Aid is America's Favorite Drink in an Envelope

ANOTHER FINE PRODUCT OF GENERAL FOODS

©1954, PERKINS PRODUCTS CO.

Double-Tested for Strength . . .
. . . Can with Confidence!

"How to Build Fence"
This 13-frame film strip by Successful Farming shows farm groups the best methods. To order, send $3.50 to Successful Farming, Des Moines, Iowa.

IF YOU SUFFER PAIN of HEADACHE NEURALGIA NEURITIS
get FAST RELIEF with ANACIN
the way thousands of physicians and dentists recommend.

HERE'S WHY . . . Anacin is like a doctor's prescription. That is, Anacin contains not just one but a combination of medically proved active ingredients. No other product gives faster, longer-lasting relief from pain of headache, neuralgia, neuritis than Anacin tablets. Buy Anacin® today!

Free Fall Catalog
Ready August 5
Fully illustrated. 104 pages, showing Hunting Footwear, Clothing, and one hundred and twenty other leather and canvas specialties of our own manufacture for campers and hunters.
L. L. Bean, Inc.
115 Main St.
Freeport, Maine

MENDS MOST ANYTHING
Get the New 2½ oz. Economy Size
Note—fine furniture makers use it for all major repairs!
McCormick & Co., Inc.
Baltimore 2, Md.

Your Successful Farming *stores*

Here are local stores interested in the farm family and carrying out the practical editorial ideas from *Successful Farming* magazine. Starred stores have full-time home-planning consultants, ready to offer suggestions and advice.

Illinois
Champaign . . . . . Robeson's
Springfield . . . . . A. Dirksen & Sons

Indiana
*Marion . . . . . Kelley Furniture
*South Bend . . . . . Robertson Bros.

Iowa
*Cedar Rapids . . . Smulekoff's
*Des Moines . . . . . Younkers
Dubuque . . . . . Stampfer's
Fairfield . . . . . Bradshaw's
Iowa City . . . . . Kirwan Furniture
*Marshalltown . . . The McGregor Co.
*Sioux City . . . . . Martin's
Waterloo . . . . . Black's

Kansas
Coffeyville . . . . . Mehornay's
Hutchinson . . . . . Wiley's
Salina . . . . . Mehornay's

Michigan
Jackson . . . . . Jury-Rowe's
*Lansing . . . . . J. W. Knapp Co.

Minnesota
Albert Lea . . . . . Skinner-Chamberlain
Mankato . . . . . Landkamer Bros.
Worthington . . . . Hanson's Town & Country

Missouri
Columbia . . . . . Mehornay's
*Kansas City . . . . . Mehornay's
Marshall . . . . . Mehornay's
Maryville . . . . . Mehornay's
Sedalia . . . . . Mehornay's
*Springfield . . . . . Heer's, Inc.
*St. Louis . . . . . Stix, Baer & Fuller

Nebraska
Fremont . . . . . Kavich's
Grand Island . . . Swan's Furniture
Hastings . . . . . Swan's Furniture
Kearney . . . . . Swan's Furniture
*Lincoln . . . . . Gold & Company
McCook . . . . . Swan's Furniture
Norfolk . . . . . Ballantyne's
*Omaha . . . . . Orchard & Wilhelm

New York
*Albany . . . . . W. M. Whitney & Co.
*Utica . . . . . Ribyat Furniture
Watertown . . . . . Household Merit

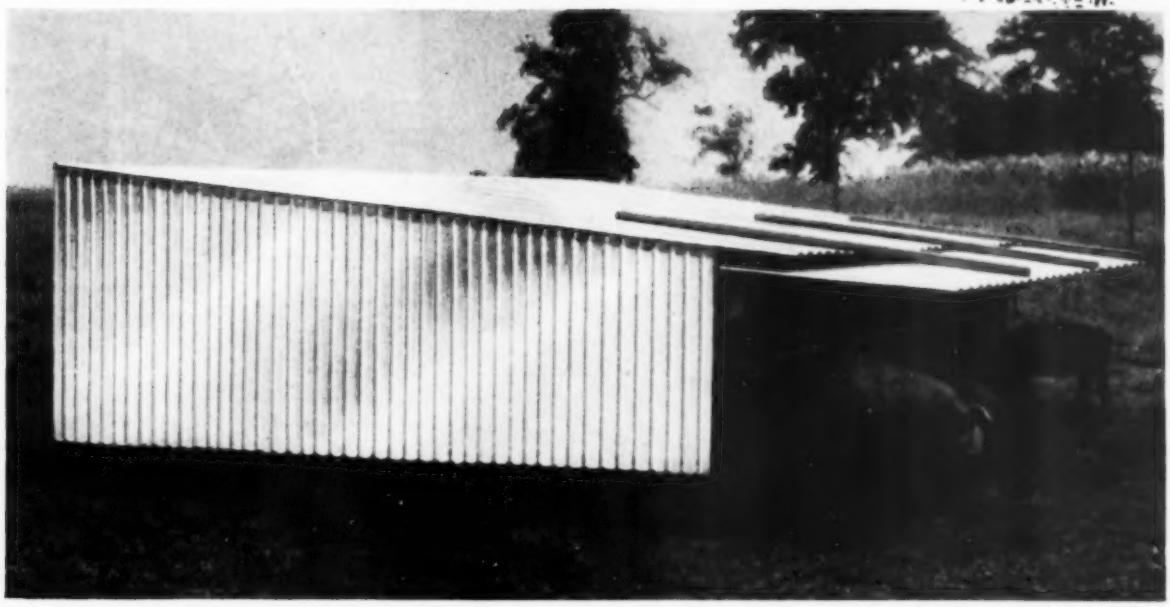
Ohio
Ashtabula . . . . . Carlisle-Allen Co.
*Columbus . . . . . F. & R. Lazarus
*Dayton . . . . . The Rike-Kumler Co.
Medina . . . . . Longacre & Son
Mount Vernon . . . The Rudin Co.
*Springfield . . . . . People's Outfitting Co.
Warren . . . . . The Warner Co.

Oklahoma
*Enid . . . . . Long-Bell Lbr. Co.
*Tulsa . . . . . Dickason-Goodman

Pennsylvania
Harrisburg . . . . . Pomeroy's, Inc.
*Pittsburgh . . . . . Joseph Horne Co.

Test shows:

"23 lbs. feed saved per 100 lbs. of pork"



Max Bailey, of Ames, Iowa, tells how he boosts profits with hog shelters of

REYNOLDS *Lifetime* ALUMINUM

Save with new 48-inch wide Corrugated and 8-V Crimp... 50% fewer sheets to handle, 50% less metal at side laps.

Only 25¢ for this Hog Shelter Plan. Check Coupon for this or other plans listed... prices include detailed drawings, erection instructions and material lists. Or check for FREE information.

Here's the story of Mr. Bailey's actual test: "I put 77 hogs under aluminum, 77 under shelters made of other material. I was amazed at the savings I made. The hogs under aluminum required only 358 pounds of feed per 100 pounds of gain—the other, 381 pounds. Total savings under aluminum were 30 bushels of corn and 600 pounds of protein. With my extra profits the aluminum pays for itself in one year."

Experts back up Mr. Bailey. Aluminum reflects up to 95% of radiant heat. Saves on maintenance, too... rustproof, no painting. And you can build now at less cost than ever, with new 48" wide sheets of Reynolds *Lifetime* Aluminum. **Reynolds Metals Company,** Building Products Division, Louisville 1, Kentucky.

Reynolds Farm Institute, P. O. Box 1800, Louisville 1, Ky. **2011**

I enclose $_____ for plans of buildings checked.

☐ Please send FREE literature on buildings checked.

☐ 52' x 60' Pole Barn	$1.00	☐ 1,500-bird Laying House	$1.00
☐ 26' x 60' Machinery Center	1.00	☐ 10,000-bird Broiler House	$1.00
☐ 30' x 32' Corn-Crib	.50	☐ 14' x 20' Hog, Sheep Shelter	.25
☐ 8' x 10' Range Shelter	.25	☐ 16' x 20' Cattle Shelter	.25
☐ 26' x 60' Pole Cattle Shed	1.00	☐ 12' x 20' Farrowing House	.25

NAME_____

ADDRESS_____

CITY_____ STATE_____

FARM INSTITUTE

Reynolds also serves the farmer with Aluminum Reflective Insulation, Gutters, Windows, Cable (ACSR), Portable Irrigation Pipe, Siphon Tubes, Paint Pigment, Freezer Foil.

SEE "MISTER PEEPERS," starring Wally Cox, Sundays, NBC-TV Network.

Hardworking Mrs. Marilyn Bridgman of Watermill, New York has discovered that only Jergens Lotion gives her hands the care they need. She says:

"I scour 4500 pots and pans a year... but I avoid detergent hands with Jergens Lotion!"

Detergents are wonderful – but they could have ruined Marilyn's pretty hands. Yet her hands are soft and lovely still. Why?

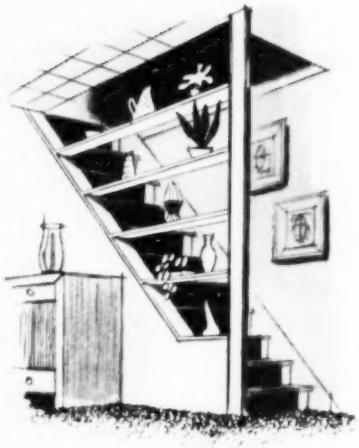
Jergens Lotion! This famous formula has been continuously *improved* for fifty years to help *heal chapped red hands instantly!*

No other lotion works faster, or penetrates deeper than Jergens Lotion. It never leaves a sticky film (as many others do).

Contains two softening ingredients doctors have used for years. Yet, you pay *less* for Jergens, the world's favorite hand care.

Use Jergens Lotion – avoid detergent hands

Open that stairway



Drawing: Whitaker-Guernsey

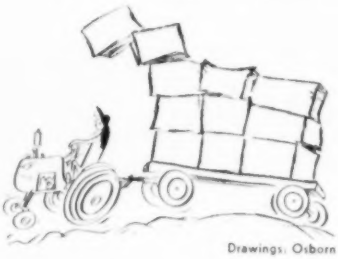
The closed-in, dark stairways found in many of the older homes can be made into an attractive addition to a room with a little remodeling.

Mrs. Chester Davis, Burlington, Michigan, removed the old door and woodwork at the bottom of the steps and cut out a whole section of the side wall. A new post gave the needed support, and shelves were inserted to break the space of the open stairway. If your ceiling is low and you want it to appear higher, use round vertical poles or rattan rods instead of the horizontal shelves shown.

Both of these ideas will make the adjoining room appear much larger, in addition to making the stairs safer as a result of the new light source.

Treacherous tractor tricks

When pulling a big load of bales over a rough road, be sure load is tied down. Or you might be wearing a large straw hat



Drawings: Osborn

He's homeward bound to hit the hay,
But hay hits back, if stacked this way

Canning and freezing

Check this handy guide for help on how to can and freeze August's fruits and vegetables

How to can:

Apples: Pare, core, and slice. To keep from darkening, place in water containing 2 tablespoons each salt and vinegar per gallon. Rinse; boil in thin syrup 5 minutes. Pack hot in hot jars. Cover with hot syrup, leaving ½ inch headspace. Adjust lids. Process 15 minutes in boiling-water bath.

Plums: Can ripe plums just as they begin to get soft. Wash and remove stems. If canned whole, prick skins to prevent bursting. Freestone varieties may be halved and pitted. Heat medium or heavy syrup to boiling; add plums. Heat. Pack tightly in hot jars. Add boiling syrup, leaving ½ inch headspace. Adjust lids; process 15 minutes in boiling-water bath.

Tomatoes: Scald tomatoes, a few at a time, to loosen skins; dip in cool water. Cut out stems and blemishes. Skin and pack at once. Tightly pack whole or cut tomatoes in hot jars within ½ inch of top. Press each layer to release juice to fill spaces. Add 1 teaspoon salt to each quart. Adjust lids. Process pints 35 minutes, quarts 45 minutes in boiling-water bath.

Tomato juice: Wash, remove stem ends, cut into pieces. Simmer until softened, stirring often. Put through sieve. Add 1 teaspoon salt to each quart of juice. Reheat at once to boiling. Pour into hot jars within ¼ inch of top. Adjust lids. Process in boiling water 15 minutes.

Pears: Make a light syrup. Wash fruit. Cut in halves or quarters; core and pare. Drop pears into water that has 2 tablespoons salt and 2 tablespoons vinegar added to each gallon. Rinse. Cook 5 to 8 minutes in syrup. Pack hot in hot jars. Cover with syrup; adjust lids. Process 20 to 25 minutes in boiling-water bath. Use the longer time for large fruit.

How to freeze:

Apples: Choose firm-fleshed cooking apples. Wash, peel, and core. Slice about ⅛ inch thick. To prevent discoloration, place sliced apples in a solution of 1 tablespoon salt to 1 quart of water. Drain. Blanch in steam for 1½ minutes. Cool immediately in iced water and drain. Sprinkle ½ cup sugar over each quart of apple slices; stir. Pack into containers and press fruit down, leaving headspace. Seal and freeze. Or, pack without sugar.

Plums: Choose tree-ripened fruit with soft skins. Wash, halve, quarter, and remove stones. Pack fruit in cold 40- or 50-percent syrup, depending on tartness of fruit. For better quality, add ½ teaspoon (1,000 milligrams) ascorbic acid to a quart of syrup. Leave headspace. Seal and freeze.

Tomato juice: Choose well-ripened tomatoes. Core and quarter. Place in a saucepan, crush slightly, and cover. Simmer for 5 to 10 minutes. Do not overcook. Put through food press. Cool quickly by setting container in iced water. Add salt (about 1 teaspoon for each quart of juice). Work quickly. Pack in containers, leaving headspace. Seal and freeze immediately.

Tomatoes and pears: They are better when canned.

A Product of General Foods

PASTEURIZE RAW MILK

- IN THE CITY IT'S A LAW
- ON THE FARM IT'S A MUST

Only through pasteurization can you positively protect your family from diseases spread through raw, unpasteurized milk—such as undulant fever, typhoid fever, strep sore throat and polio. Just testing cows won't do it. City residents are protected by laws requiring dairies to pasteurize milk. You can give your family, this same advantage in your own home.

HOME HEALTH HOME PASTEURIZERS

MAKE MILK SAFE TO DRINK

EASILY, QUICKLY, AUTOMATICALLY

Home Health Pasteurizers assure absolute and complete kill of all harmful bacteria, as evidenced by laboratory reports. No other as simple to use . . . as automatic in operation. Doesn't give milk a "cooked" taste. No stirring or watching. No troublesome water baths. 1 year guarantee. Underwriters' Approved.

TWO HANDY KITCHEN SIZES

FREE FOLDER Get the facts on diseases milk may spread, and their prevention. Write—

WATERS CONLEY COMPANY
Dept. S Rochester, Minnesota

$6.95 DRAINS cellars, cisterns, wash tubs, IRRIGATES - CIRCULATES - SPRAYS

Original "Type P" Pump has 1,001 uses - home, garden, farm. Pumps 2400 GPH, 360 GPH 25' high, or 1500 GPH from 25' well. Use any 1/6 to 1/4 HP motor. Motor coupling included. Stainless steel shaft. 1" inlet, 1/2" outlet.

RUSTPROOF! DOES NOT CLOG!

Only $6.95. Postpaid if cash with order. (West of Miss. add 50¢) Money back guarantee. Centrifugal and Gear Pumps in all sizes.

LABAWCO PUMPS, Belle Mead 33, N. J.

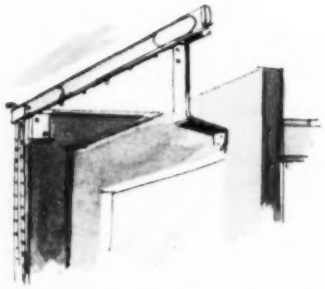
Home "Fix-it" Tips

Plastic Wood permanently repairs furniture, replaces rotted wood, and fills knot holes and gouges. Apply it like putty—it hardens into real wood.

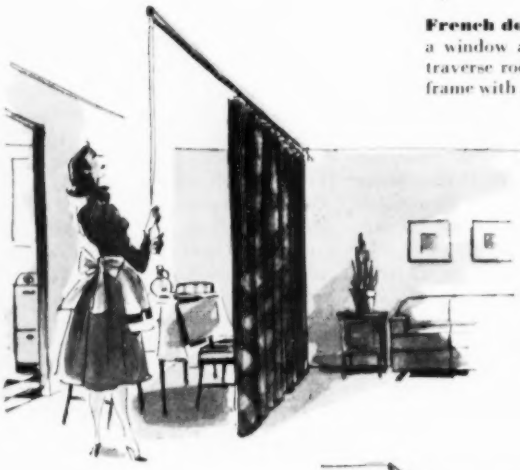
YOU NEED "PLASTIC WOOD"®

Hardware for draperies

Special hardware makes the "difficult" window the feature of a room. These are just a small sampling

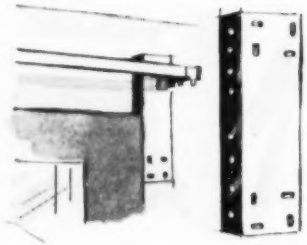


French doors can be curtained like a window and still open freely. The traverse rod is attached to the door-frame with a hinge to allow movement

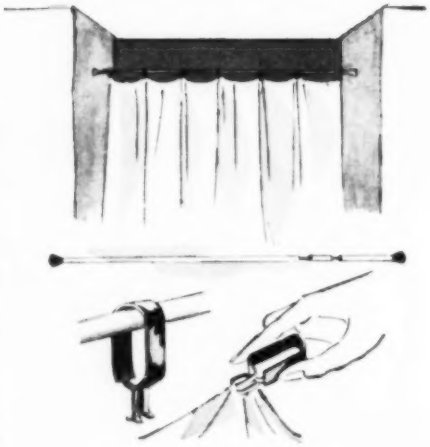


A ceiling track makes it possible to have a fabric room divider.

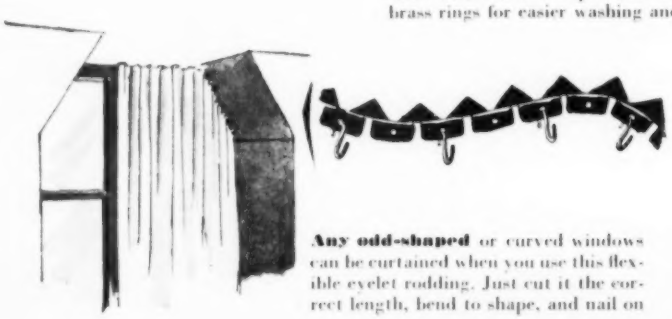
It will also solve the problems of how to curtain the window where there is no room on the frame for hardware and how to hang a drapery away from the window.



Metal extender plate can be attached to the window frame either horizontally or vertically as shown. This lets you hang your drapery hardware beyond edge of window



Easy way to hang cafe curtains is on a pressure extension rod held in place at the ends with suction cups. Use detachable brass rings for easier washing and ironing



Any odd-shaped or curved windows can be curtained when you use this flexible eyelet rodding. Just cut it the correct length, bend to shape, and nail on

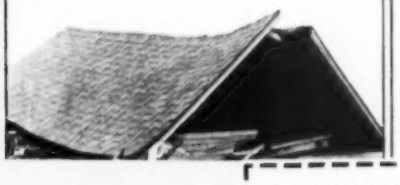
Windproof your roof WITH Tite-on Shingles

Every tornado and windstorm proves again that Ruberoid Tite-On Shingles are the farmers' best roof investment. These famous shingles interlock to form a one-piece roof. Each shingle is anchored to the roof deck by four concealed nails . . . as a result they have defied hurricane winds up to 120 miles per hour. They've been proved on over 750,000 roofs . . . and not a single case of windstorm damage to a Tite-On roof has been reported.

Enjoy the added beauty, fire-resistance and long-lasting windstorm protection that Ruberoid Tite-On Shingles provide. Send the coupon below for complete information.

Tite-On *(interlocking)* Shingles are equally well adapted for new roofs or re-roofing over old shingles.

The building came down, but the Tite-Ons stayed on . . . typical of dozens of after-the-storm pictures in our files . . . proof again that as long as the building stands, Tite-Ons will protect the roof.



Stonewall, too

Stonewall Asbestos Board is the ideal farm building material. It's *fireproof, rot-proof, rat-proof, vermin-proof, weatherproof and never needs paint.* It makes old barns new!

The RUBEROID Co.

Asphalt and Asbestos Building Materials

The RUBEROID Co., P. O. Box 129, New York 46, N. Y.

☐ Please send descriptive literature on Tite-On Shingles.

☐ Also send folder on how to build fast to last with Stonewall Board.

Name _____

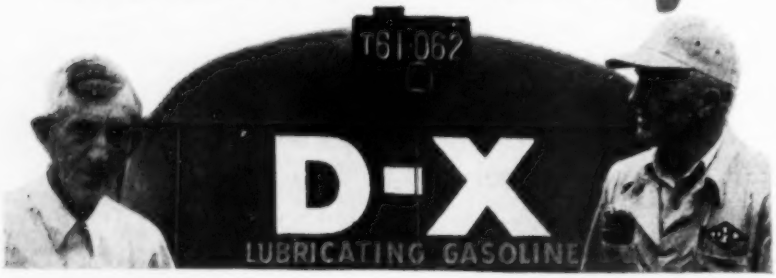
Address _____ County _____

Town _____ State _____

Sf-8

Big savings on D-X Motor Oils, Tractor Oils and Greases as We Celebrate Our

30th Anniversary



POOL CAR SALE

Midwest's oldest, most famous volume oil sale is here again to help you save money!

Little did we realize thirty years ago that we were embarking on a "famous first" when we announced a special discount to farmers who would buy our oils and lubricants in quantity.

Since then there have been plenty of imitations. But there's still only one real D-X Pool Car Sale. And for the 30th year in a row, we're announcing it now, with the savings that have made this sale famous!

So join in the celebration and save money. The more you buy the more you save! The entire line of D-X Motor Oils, Tractor Oils and Greases is included. Buy your whole year's supply—and add up the savings all year long!

Here's how our D-X Pool Car Sale works:

1. Order all D-X Motor Oils, Tractor Oils and Greases you'll need between now and next summer.
2. You get a discount on all you buy, because your D-X Farm Serviceman passes on to you the savings of selling in quantity.
3. You may accept delivery from Sept. 15 to Nov. 15, or any time between Jan. 1 and May 31, 1955.
4. You pay nothing down. Pay later.
5. If D-X prices go up by delivery time, you pay the price in effect when ordered. If prices go down, you get the new lower price.
6. We guarantee delivery as well as complete satisfaction with every drum or can of D-X Oil or Grease, or you get your money back.

D-X

Have You Tried the Gasoline with all the extras— D-X Ethyl with UCL-plus?

Fill your tank with new D-X Ethyl with UCL-plus. It gives you *extra* antiknock, *extra* mileage, *extra* engine protection; prevents pre-ignition knock, provides longer spark plug life. Get new D-X Ethyl with UCL-plus at your D-X *Dealer's* soon.

D-X

farm service

Call Your D-X Farm Serviceman!

MID-CONTINENT PETROLEUM CORPORATION
Tulsa, Oklahoma Waterloo, Ia. Terre Haute, Ind. Omaha, Nebr.
PC-1 Chicago, Ill. Minneapolis, Minn. Madison, Wis.

Laughing at Life

Involves Money, Either Way

Doctor (*to young husband*): "*Do you know your wife is expecting an increase?*"
Husband: "*Yes, but my boss said he can't afford to give me one now.*"

No Need for Seconds

A New Yorker was advised by his doctor to move to the Southwest for his health. The man did so and one day in a small Arizona town, he asked an old-timer: "Say, what is the death rate around here?"

"Same as back East, friend," came the reply, "one to a person."

Truthful Elsewhere?

Hartzberg, who lies at 5534 Raleigh Street, also explained a telephone call he received last Sunday morning.—*Pittsburgh (Pennsylvania) Sun-Telegraph.*

Height of Frustration

Bill: "I had a horrible nightmare last night. I dreamed I was alone with thousands of beautiful girls."
Jack: "What's so bad about that?"
Bill: "I was a girl, too."

Nature Backfires

Tom: "*My brother crossed a cactus with an apple and got a prickly pear. Then he crossed sugar cane with a cucumber and got sweet potatoes. But one night he made a mistake.*"
John: "*What was that?*"
Tom: "*He crossed a watermelon patch with a wheelbarrow and got buckshot.*"

Getting in Some Mean Digs?

Joan Fontaine and Fred MacMurray co-star in "June Bride," a comedy about a sophisticated woman's-magazine editor covering a small-town June weeding.—*Los Angeles (California) Times.*

SUCCESSFUL FARMING

How Willys 4-Wheel-Drive Vehicles *Save Time... When Time Counts Most...*

AT THE KAUFFMAN TURKEY FARM, Waterman, Illinois

4-WHEEL-DRIVE
UNIVERSAL
'Jeep'®

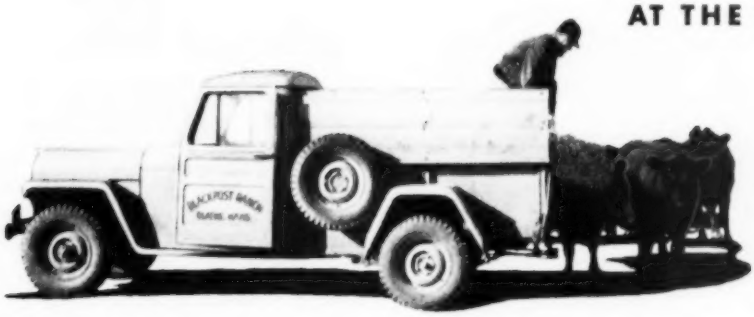
These fine Broad Breasted Bronze Turkeys are raised at the Kauffman Turkey Farm—the largest producer of dressed birds in the state of Illinois. Turkey farming on such a scale calls for tons of feed, delivered to feeders on the range.

"The 'Jeep' gives us a better way of hauling to the feeders, especially in bad weather," says S. B. Swann, manager of the Kauffman Farm. "It helps us get more work done in less time than we could with other vehicles."

With its remarkable versatility, the 'Jeep' has proved its value on farms and ranches everywhere.

Its selective 2- and 4-wheel drive traction teamed with *Hurricane* Engine power fit the 'Jeep' for any work or travel need.

AT THE BLACKPOST RANCH
Olathe, Kansas



"Our 4-Wheel-Drive Willys Truck is *more* than a time-saver the year around . . . often in bad weather it's the *only* way we can get feed to our stock," says John Fifield of the 1000-acre Blackpost Ranch, Breeders of Registered Black Angus Cattle.

This rugged truck with its highly-efficient *Hurricane* Engine and 4-wheel-drive traction is built to stand up under rough travel on or off the road. Once you put the Willys Truck to work on your place, you'll wonder how you ever managed without it!

4-WHEEL-DRIVE WILLYS TRUCK

Ask your Willys Dealer to demonstrate both of the vehicles shown here. Then decide which will serve your needs best.

KAISER-WILLYS SALES DIVISION • WILLYS MOTORS, INC. • TOLEDO 1, OHIO

Ever been Stood up...

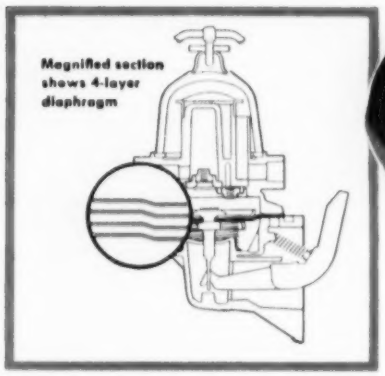
It's a day you'll never forget. There you stand as the minutes tick slowly by. And somewhere, the car that *was* to have picked you up is stalled.

Any serviceman will tell you to check your fuel system twice a year. That goes for fuel pumps, too.

If your fuel pump is an AC—and 9 out of 10 are—it's precision-built to keep you out of trouble. But, normal wear can eventually cut down any fuel pump's efficiency. Have it checked—and if there *is* need for replacement, be sure you get an AC Fuel Pump—America's first and finest.

YOUR FUEL PUMP needs to be as good as AC builds it . . .

For example, the diaphragm is the hardest working part of the pump. That's why the AC diaphragm is made of *four* strong layers of patented-treatment, square-woven airplane cloth instead of one. AC builds it better to serve you longer.



AC FUEL PUMPS

. . . for DEPENDABLE DRIVING

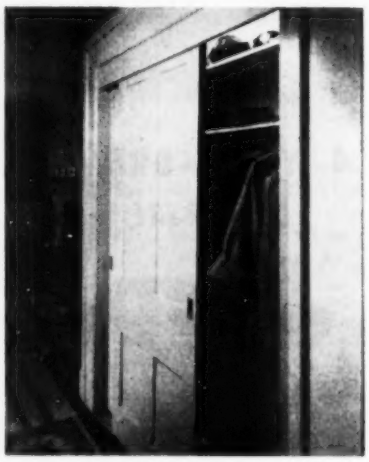
AC SPARK PLUG DIVISION GM GENERAL MOTORS CORPORATION

Farmhouse problems

From page 42

first consideration and all else revolved around it. It has an outside entrance, a wash-up room, and a handy closet for boots and work clothes for the menfolks. The other end has the laundry equipment and freezer. Also, downstairs is our lovely new living room and a hall coat closet. Upstairs the boys have a large room with plenty of storage and each his own desk for study."

Boys make full use of bookshelves for games and "treasures." Cabinet on right is laundry chute which goes to utility room

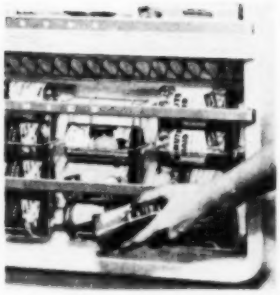


Coat closet in hallway entrance to living room provides for guests', family's wraps. The sliding doors make it easily accessible

Freezer in utility room is now handy to the kitchen. It makes meal-getting and food freezing easier and timesaving. END

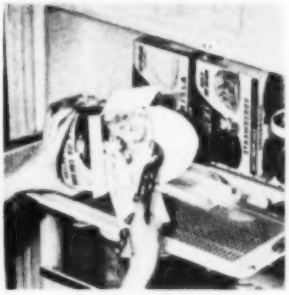
Handy, sliding shelves!

Adjustable, sliding shelves glide out, making it easier to reach things stored at back of freezer.



Fruit juice at your fingertips!

New frozen juice can dispenser keeps 16 cans of frozen fruit juice within easy reach.



Ice cream ready for serving!

Special Ice Cream Conditioner keeps a gallon and a half of ice cream at scooping temperature.

A place for bulky packages!

A hidden Stor-well at the bottom of the freezer comfortably holds bulky items like hams and roasts.

Everything within easy reach when you own a

NEW G-E UPRIGHT FREEZER

Enjoy complete freezer convenience in your kitchen with the new G-E Upright Freezer. Every feature, from slide-out shelves to the handy frozen fruit juice dispenser, helps make the job of food storage and preparation *faster* and *easier*.

So very dependable, too!

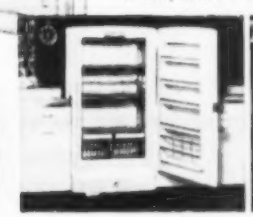
Every G-E Freezer has the same type of sealed-in refrigerating mechanism that has kept 3,500,000 G-E Refrigerators operating so efficiently for periods of 10 years and longer.

Choose from a complete line of upright and chest models. Be sure to visit your G-E dealer soon. General Electric Company, Appliance Park, Louisville 1, Kentucky.

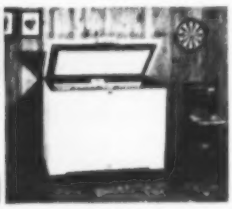
Holds 525 pounds! Yet this new 15-cubic-foot G-E Upright Freezer takes less than one square yard of floor area.

ABOUT **$5.04*** WEEKLY

A new, sensible way to buy freezer space!



For compact convenience in the kitchen—
11-cu-ft G-E Upright Freezer



For roomy, bulk storage elsewhere—
11-cu-ft G-E Chest Freezer

Here's a wonderful solution for those who need 20 or more cubic feet of freezer space, but who haven't kitchen space for one of those "box-car-like" freezer chests. You can buy *both* G-E Freezers shown here and get 22 cubic feet of storage space. Ask your G-E dealer about this offer!

**After small down payment. See your G-E dealer for exact terms. Prices and specifications subject to change without notice.*

GENERAL ELECTRIC

TWIN DRAULIC'S Wire Winder...

takes the danger and the work out of winding or unwinding wire. Controlled from the tractor, unit rolls wire evenly on spool. Whether you're putting up or taking down a fence, this looks like the easy way to do it.

New Sinclair POWER-X Gasoline...

hits a new high in knock-free power. Try a tankful in your tractor, truck or car and get plenty of *extra* power when you need it. Important, too, POWER-X contains Sinclair's amazing rust inhibitor, RD-119®, to protect your equipment against fuel system rust. Discover, today, the powerful difference in POWER-X. Phone your local Sinclair Representative or fill up at your Sinclair Dealer's station.

SINCLAIR

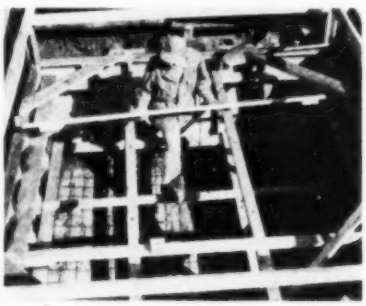
Store water for fire or drouth

The cistern shown here may help in a dry spell, or if kept filled, give you an insurance rate credit

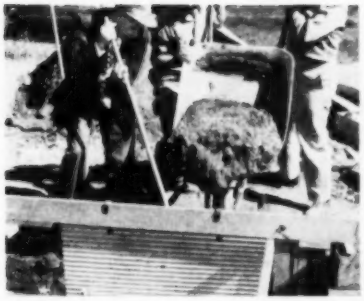
1 Locate cistern at least 100' from the buildings to allow room for fire truck to operate, but not over 700'. Earth, if not crumbly, can be used for outside form. Tank is 12'x12'x4' deep; holds 3,630 gallons

Photographs: Hufnagle

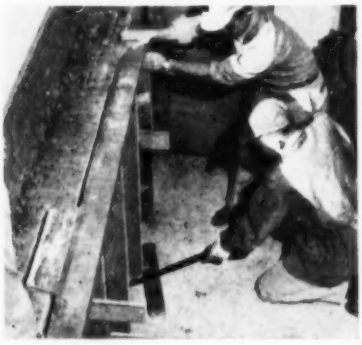
2 Forms, prefabricated and owned by several farmers or fire-protection district, have 6x6 welded wire mesh and ½" steel bars attached before being lowered



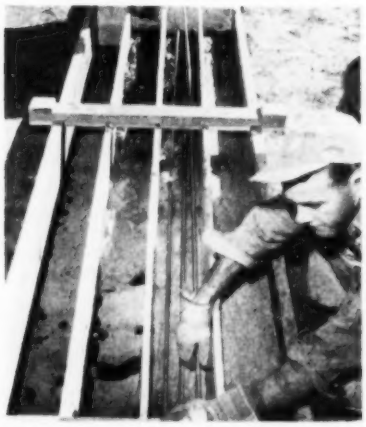
3 Forms are oiled before being placed in position. After they are in place and leveled, 2x4 braces are used to hold the sides against pressure of poured concrete



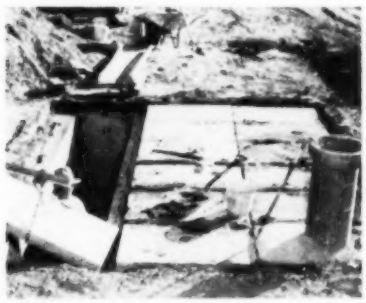
4 Watertight concrete—1 part portland cement, 2¼ parts sand, 3 parts gravel, not more than 5 gallons water—is placed in a continuous operation to avoid joints



5 Remove forms 2 to 3 days after casting. Notches in top of wall receive reinforced concrete joists that hold concrete covers. Tank location is 1' below ground surface



6 These forms make concrete joists mentioned above. Each has two ⅝" steel rods near bottom and a ½" rod near top. Joists are 5½" wide, 9½" deep, 11'6" long



7 Lids are 4'x1'11¼"x3⅝", reinforced with 6"x6" No. 6 mesh. Cistern costs about $200 and can be filled and emptied by pumping through 10" tiles in corners

How Ferguson can lug 3 plows

It doesn't look it—but the low-cost Ferguson "30" turns three furrows easily in most soils! How?

The Ferguson System's exclusive linkage and built-in hydraulic control makes one unit of tractor and implement. Tillage tools are mounted on the tractor, adding *weight,* adding *traction.*

Still more traction is provided by the soil's weight and resistance on the implement, plus the suck of the tool. These forces become "weight" and are carried to the rear wheels by the Ferguson linkage and hydraulic system.

In heavier soil, tractive weight is automatically added through the Ferguson System, *as needed,* by the additional resistance and weight of heavier soil on the tool!

And since the Ferguson System is constantly "weighing" this resistance, tractive weight is automatically decreased on lighter work. Thus, Ferguson's tractive weight always matches the *need* for weight. *You save money*—because you never pay for wasteful excess power or needless built-in weight.

We owe you proof that the low-cost, compact Ferguson "30" can be a 3-plow tractor. To get that proof, simply take advantage of the free offer below.

Get your sample of Ferguson System farming: Print your name and address in the margin and mail this ad to *Ferguson,* Racine, Wisconsin. We'll have an expert come to your farm and give you a generous sample of the Ferguson "30" doing *your* big jobs.

YOU'LL SEE MORE AND MORE OF THE

Ferguson "30"

SEE YOUR FERGUSON DEALER FIRST!

Up to 50% Reduction in Fuel Input... 70 to 90% of Heating Season!

WILLIAMSON Gasaver and Oilsaver De Luxe Furnaces, unlike ordinary furnaces, are controlled by an inside and outside thermostat which electronically control a two-speed blower (on forced air models) and modulate the fuel input.

Since 70-90% of the heating season temperatures throughout most of the country are above 25-30 degrees, these furnaces will during such periods, operate on a reduced hourly fuel input and half-speed blower.

Balanced heat and fuel economy never before realized is possible and a wonderfully new experience in comfort is obtained. Write today for details.

WILLIAMSON
WARM AIR FURNACES

GASAVER & OILSAVER
De Luxe Furnaces

THE WILLIAMSON HEATER COMPANY
3589 Madison Rd., Cincinnati 9, Ohio

Please send me information on:
☐ GASAVER DE LUXE ☐ OILSAVER DE LUXE

Name_____

Address_____

City_____ Zone____ State_____

Exciting new way to buy furniture

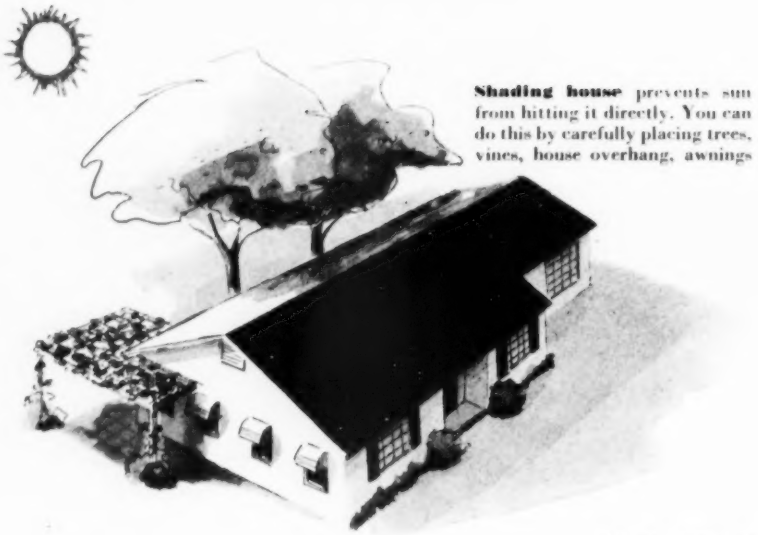
Furnish a complete living room of beautifully matched ash pieces this economical way. Covers are REMOVABLE—they fit like a glove, yet can be changed as easily as a pillow slip. We ship this furniture direct to you, avoiding costly handling and shipping charges. It will arrive in compact cartons, in a few simple sections completely upholstered, which are easily and quickly locked into place . . .
Check or M.O.
Express Collect.

Chair shown has hardwood frame, with a generous 3½ inches of molded foam rubber over a soft bed of springs. Covers include an all nylon pile fabric by Collins and Aikman. Complete line of sturdy, solid Ash tables available. Blonde or smart Dark modern finish. ONLY . . . **$59.50.** Matching Ottoman **$23.50.** End Table **$18.50.**

Send 50c for our catalogue. Actual wood sample showing the two finishes are enclosed, together with swatches of the fabrics available in the various colors—21 in all.

Name_____
Street_____ City_____ State_____

Dixons FURNITURE COMPANY
DEPT. J-13 • ELLICOTTVILLE, NEW YORK



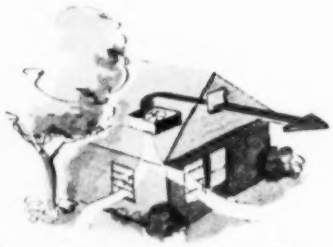
Shading house prevents sun from hitting it directly. You can do this by carefully placing trees, vines, house overhang, awnings

By Greg Scott

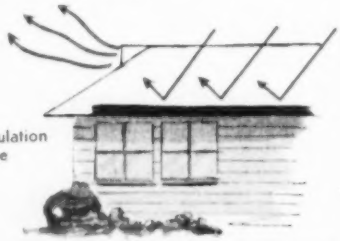
Hot ideas for summer cooling

You kill two birds with one stone if you use these summer cooling ideas.

First, you get immediate summer heat relief. And, you get ready for air conditioning, the ultimate in summer cooling. Ideas such as insulating and shading windows, roof, and walls help now—and later—to cut operating costs of an air-conditioning system.



Use an attic fan at night to force out hot air and draw in cool. Kitchen fan will remove heat directly from kitchen range

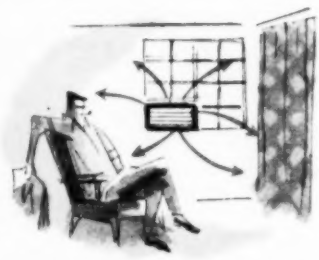


Insulation below unused attic space slows heat flow into living area. Ventilators in gable ends or in roof let air circulate beneath the roof, keep heat build-up down

Exterior light-colored venetian blinds are 70-percent effective in controlling sun's rays. Those inside are 40-percent effective, but if dark-colored, they are 15 percent

Drawings: Hiser

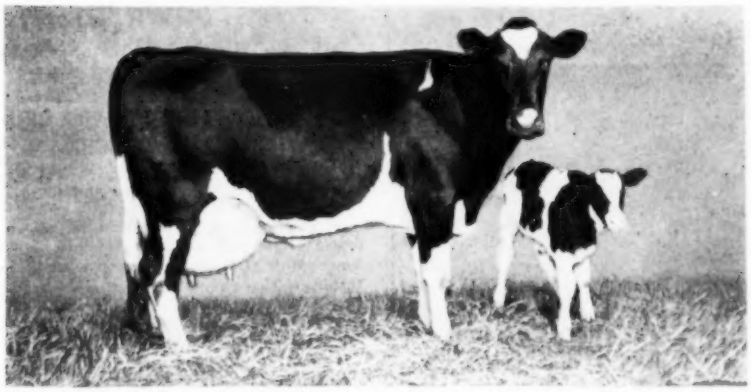
Let evaporation help cool your house. Do it by spraying water over roof. Or use perforated pipe along ridge to spread water



Room air conditioners will cool, dehumidify sections of the house. No water is needed. One-hp motors require 220 volts

Dairy cows need an extra large daily ration of

MORTON Trace Mineralized SALT



A good dairy cow producing 10,000 pounds of milk needs 18 pounds of salt for the milk alone. Besides this, she needs at least 18 pounds more for her own body use during the year. Every bit of this salt should be Morton's Trace Mineralized Salt. It prevents the trace mineral deficiency that can be responsible for unhealthy cows . . . cows that can't make the best use of their feed. For strong, healthy cows and calves, feed Morton T-M Salt *free choice.*

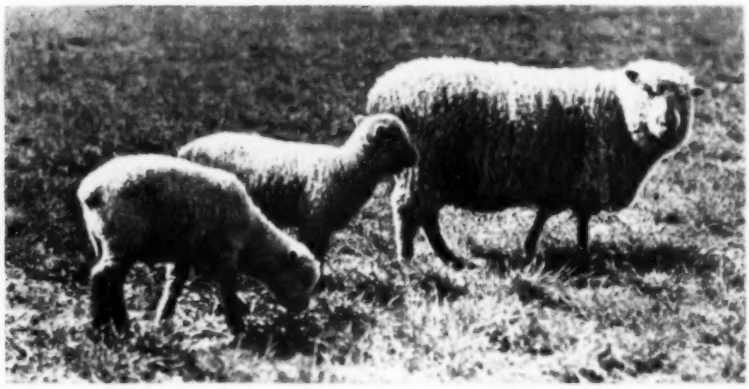
Beef cows also need an extra large daily ration of

MORTON Trace Mineralized SALT

Beef cows, like dairy cows, need extra rations of Morton Trace Mineralized Salt to take care of the added demands of reproduction and lactation. Breeding cows, especially when they are nursing calves, need much more salt than fattening steers. They also need more trace minerals. Be sure they have a plentiful supply of Morton T-M Salt at all times. Place your salting stations where they are easy to get at.

Breeding ewes also need an extra large daily ration of

MORTON Trace Mineralized SALT



Breeding ewes need more salt and trace minerals per pound of weight than any other livestock. Tests show that ewes are healthier, more vigorous . . . produce better fleeces . . . drop bigger, stronger lambs . . . supply more milk to suckling lambs when fed Morton Trace Mineralized Salt *free choice.*

All breeding animals need Morton T-M Salt daily—*in addition to their regular feed.* And it should always be fed *free choice. You know they need it . . . they know how much.*

Trace minerals are thrift minerals

because they help make more meat, more milk, more wool per feed dollar

Iodine
Cobalt
Manganese
Iron
Copper
Zinc

GET MORTON T-M SALT AT YOUR FEED DEALER . . . MADE BY THE MAKERS OF FAMOUS MORTON TABLE SALT

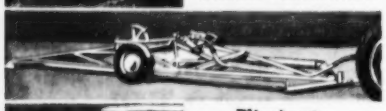
There's GOLD in Land Smoothing

Write for Useful Booklet on the

Eversman All Purpose Tillage Tool and LAND SMOOTHER

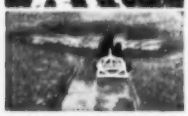
Make plans now to smooth fields, fill pot holes, improve surface drainage this fall when preparing alfalfa or wheat ground or after bean and corn harvest. Eversman smoothed fields free of pockets, dead furrows and back furrows greatly increase crop yields. Reduce labor and water costs on irrigated land. With springtooth attachment the Eversman is a complete TILLAGE TOOL, which breaks clods, mulches the soil, makes a firm, well packed seedbed which holds moisture, makes planting uniform, cultivating easier and harvesting faster.

Six all-purpose models for all standard farm tractors...for AUTOMATIC SOIL SMOOTHING, DIRT MOVING, SEEDBED PREPARATION!



Eliminate Pot Holes

With an Eversman and your own tractor it is easy and inexpensive to eliminate pot holes, fill gullies, straighten out terraces on hillsides, build farm over drainage ditches and grass waterways. Write for useful FREE booklet.



Tried and Proven in Rain Fall and Irrigation Areas Throughout the Nation

EVERSMAN MFG. CO.

Dept. L-116 • Curtis & Fifth • Denver 4, Colo.

the **DAVIS LOADER**

. . . takes rugged punishment and still comes back for more. It can be hooked up in a matter of minutes, and its streamlined design permits better vision as well as mounting from either side or rear. It fits most popular tractors. Many attachments give it year 'round useability. Compare it feature for feature, dollar for dollar with any other front-end hydraulic loader, and *you'll choose Davis!*

SEND FOR FREE LITERATURE

. . . to fit a _____ tractor.

Name _____

Address _____

Town _____ State _____

MID-WESTERN INDUSTRIES, INC.

1009 S. WEST ST., DEPT. S, WICHITA, KANSAS

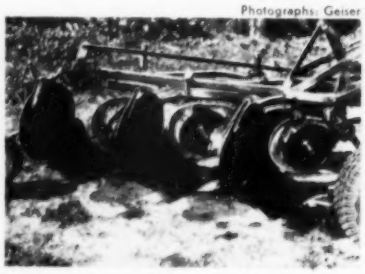
New-type plow takes

⅓ less power

Rolling, 20-inch discs replace binding moldboards on new plow developed by Loren Walsh, Hamilton County, Indiana.

Plow has 900 to 1,300 pounds less draft than ordinary 3-bottom moldboard, according to county agent. Walsh has applied for patent rights on the plow.

Photographs: Geiser



Moldboard tops were cut off, discs fitted closely. Discs have same angle as moldboards, are mounted on roller bearings. Plow throws soil, eliminates need to disc

Ramp to loft speeds unloading

Drive in and dump. Ramp leading to his barn loft saves time and labor for Jack Palmer, Lincoln County, Missouri. Palmer takes baled hay directly from the field to the loft, without extra handling. Loft makes it easy to feed hay to dairy cattle

Extra Work Output with LESS TRACTOR FATIGUE

Behlen POWR STEER

HANDLES UP TO 90% OF STEERING WORK

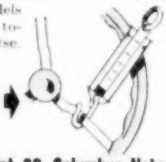
Drive Relaxed in stony, rough country and mud or soft ground! No "backlash"; you work faster . . . longer . . . with less fatigue.

You're In Complete Control of the tractor—less danger of tipping or having the wheel snap your arm.

You're More Alert, too because you're less tired.

Installs In Less Than 2 Hours on most tractors. For a list of available models and full information, write today. No obligation, of course.

Turns Wheel With Less Pressure Than It Takes To Crack An Egg.



BEHLEN MFG. CO. • Dept. 39 • Columbus, Nebr.

NOW You Can

. . . PICK CORN EARLIER

. . . PREVENT FIELD LOSSES

. . . AVOID MOISTURE PENALTY

With the NEW **LENNOX Cropmaster**

Write for Free Lennox Crop Drying Booklet

Get all the facts. See why so many farmers are making more money with Cropmaster drying. For your FREE COPY, write LENNOX, Marshalltown, Iowa.

Over 5,000 Lennox Dealers are ready to install and SERVICE Your Lennox Cropmaster.

In Warm Air Heating More Families Buy . . . **LENNOX**

Marshalltown, Iowa; Syracuse, N. Y.; Columbus, Ohio; Salt Lake City, Utah; Fort Worth, Texas; Decatur, Georgia; Pasadena, California; In Canada: Toronto and Calgary.

Good Fences Are Easy to Build

Successful Farming's film strip, "How to Build Fence," shows best methods. For your group's film, send $3.50 to Successful Farming, Des Moines, Iowa.

TRACTOR CONCRETE MIXERS

IT'S FUN to do concrete work with a Frohring Redi-mixer! Transporting and mixing—all by tractor power. Load mixer anywhere, deliver ready-mixed concrete direct to your forms. No wheelbarrow needed. Models illustrated for Ford or Ferguson tractors, models available for YOUR tractor. Also new Universal model that will operate either from tractor PTO, electric motor or gasoline engine. Write for FREE information TODAY. PLEASE give make and model of your tractor.

R. L. FROHRING MACHINE CO. Box 100, Chagrin Falls, Ohio

Successful Farming's *practical, up-to-the-minute information will help you and your family enjoy better farm living.*

VAC-A-WAY

SEED CLEANER & GRADER

GRADES WHILE IT CLEANS

Removes dirt, stems, and unwanted weed seeds. At same time separates cleaned seed into TWO GRADES.

Breed up your seed. Make planting easier — stand evener — plant only choice kernels of uniform size. IMPROVE YIELDS.

VAC-A-WAY cleans oats, wheat, barley, soybeans, clover, lespedeza, alfalfa, etc.

FARM & CUSTOM sizes. Electric, gasoline, and hand models.

SEE YOUR DEALER OR WRITE

J. W. HANCE MFG. CO. Westerville, Ohio

VAC-A-WAY SEED CLEANERS — TREAT-A-MATIC SEED TREATERS

Veterinary helps

Breed cows to same bull to stop vibriosis spread

The U.S.D.A. Bureau of Animal Industry says vibriosis is spread like a true venereal disease.

When cows were assigned to a clean bull and bred to that bull again and again, these cows didn't contract the disease, even though clean and infected cows ran together. Breeding a cow to the same bull time after time will also help prevent the spread of trichomoniasis and granular vaginitis.

• • • •

Handy way to treat feet

When you've got animals with sore or infected feet, an ordinary machinery oilcan comes in very handy (see picture below).

With a long-nozzled can, you can squirt disinfectants into any part of infected feet. Plunger oilcans are best since you can force solutions into hard-to-reach parts of the feet.

Photograph: Bailey

• • • •

Homemade back-rubber source of X-disease

A farmer we know couldn't understand it when his steers came down with symptoms of X-disease—slobbering, watery eyes, and rapid loss of weight.

The veterinarian soon found the cause in the pasture. The cattle were using a back-rubber that contained a chlorinated naphthalene oil. The repeated rubbing of this oil onto their skin caused the cattle to develop X-disease.

Since there are both harmful and harmless types of oil, it will pay you to check and make certain you are using the nonchlorinated naphthalene compounds on livestock.

Bring out new

DOLLAR SIGNS IN YOUR CROPS

...FROM DIMES INVESTED THIS FALL IN SWIFT'S PLANT FOOD

The right plant foods applied now will show the signs this fall of a higher paying harvest in the making. *Healthier green color* and *more vigorous growth* assure—

HARDIER WINTERING
EARLIER SPRING GROWTH
HEAVIER 1955 YIELDS
LONGER GRAZING

Swift has developed two specialized crop makers for this important fall feeding.

Blenn is a specially formulated plant food for wheat, fortified with extra growth elements to meet the soil needs of each area.

Pasturgro is Swift's special pasture plant food. Applied now, it gives you earlier spring growth . . . assures more nutritious feed for faster gains and a longer grazing season.

The many different plant foods in **Blenn** and **Pasturgro** are Chemically-Hitched—fused together by an exclusive process developed in Swift's research laboratory. As a result, each grain of **Blenn** or **Pasturgro** furnishes a balanced diet.

Beginning this fall, prepare for new harvest dollars. Discover the difference in **Blenn** and **Pasturgro**.

Swift's PLANT FOOD SERVICE RED STEER

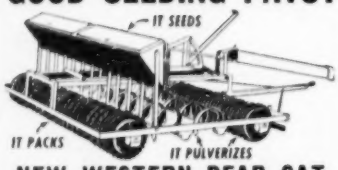
BUY AT THE SIGN OF THE RED STEER

NEW
BEAR CAT
COMBINATION
Grain and Roughage Mill
also Ensilage Cutter

No. 4A

Trailer Mounted for Power Take-off Has traveling feed table and is especially designed for grinding or chopping larger quantities of loose or baled hay and roughage of any kind. Furnished either with or without Trailer Mount and Power Take-off. Both cutter knives and heavy swing hammers—it grinds any feed, green, wet or dry, snapped or ear corn, roughage bundles or baled flakes, with ordinary farm tractor—and no monkey business. Get full information on real honest-to-goodness grinding outfits. Write for complete details.

GOOD SEEDING PAYS!



NEW WESTERN BEAR CAT SEED BED MAKER and SEEDER

Combination spring tooth harrow, sprocket packer, mulcher, and seeder. Pulverizes and packs finest of seed beds, then evenly, accurately sows any seed. All in one operation! Pays for itself in saving seed, especially Alfalfa, Clover, or any Grass Seed, sown mixed or separately from one seed box.
Seed drops ahead of rear roller section and is pressed firmly into soil by both Packer and Mulcher wheels. Leaves surface mulch without grooves. Great help in preventing washing, crusting, and blowing. Holds the moisture. Seeder mounted or removed quickly. Seed Bed Maker and Seeder available as combination, or each separately. Write for full details.
WESTERN LAND ROLLER CO., Dept. 606-27
Hastings, Nebraska — Manufacturers

CASWELL "Hi-Tilt" WAGON HOIST

A COMPLETE HOIST FOR ONLY $148.00 F.O.B. CHEROKEE

MOST SIMPLE & EFFICIENT 5-TON HOIST AVAILABLE!

Easily handles any 5-ton load with hydraulic pump putting out 1000 psi. Same lifting principle as famous Caswell Loader. Lifts to 45° angle. Fits all regular running gears and boxes. Low price includes complete hoist . . . exclusive low pressure "floating cylinder", frame, sub frame, brackets, etc. Lowest priced quality hoist on the market. Send for FREE literature. Dealers write.

CASWELL LOADER
FIRST . . BEST . . and Still only $199.00

The loader with the patented features. FIRST in Quality. FIRST in Price. Real labor saver.
Address Dept. 185

CASWELL MFG CO., Cherokee, Iowa

Tips for dairymen

Massive dose vitamin D lowers milk fever

Thirty million units of vitamin D given daily for 5 to 7 days lowered milk-fever deaths in recent Ohio research. This dosage is 6,000 times the daily requirement of a cow.

No harmful effects were noticed when given only for this short period, but this dose was harmful when given for longer periods. Research is continuing to find out if this is a practical preventive for milk fever.

• • • •

70 percent roughage best milk- and moneymaker

Nebraska dairy herd improvement records indicate high-producing herds get about 70 percent of their nutrients from silage, hay, and pasture. Grain makes up only 30 percent of their rations.

While roughages make up 70 percent of the nutrients, they account for only 45 percent of the total ration cost. Grains furnish only 30 percent of the nutrients, but make up 55 percent of the feed costs. Therefore, forages furnish nutrients a lot cheaper than grains.

C. W. Nibler, extension dairyman at the University of Nebraska, believes anything a farmer can do to harvest more high-quality forage in 1954 will help him meet the dairy-price slide.

• • • •

5 million cows bred artificially in '53

The number of cows bred artificially in 1953 jumped 13 percent to a new high of 5 million. Wisconsin had the highest number of artificially bred cows.

About 37 percent of artificially bred cows were bred to proved sires. The average production for all daughters of proved sires used in artificial breeding in the United States is 10,564 pounds of milk and 413 pounds of butterfat.

• • • •

Easy way to feed cows green, chopped forage

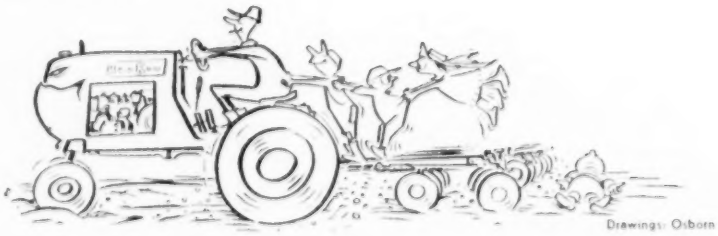
Russell Walker, DeKalb County, Indiana, is feeding green forage to his milk cows right now. And he's doing it the easy way.

Walker hauls freshly chopped forage into the barnyard instead of letting the cows graze. He uses a wagon with cor-

rugated tin sides that are hinged (see picture above). When Walker lifts the hinged sides, 16 to 20 cows can crowd around each of his forage wagons to help themselves.

Treacherous tractor tricks

During a 5-year period in Wisconsin and Ohio, 50 children under 10 years of age were killed in various tractor accidents



Drawings: Osborn

Four little kiddies, happy as can be;
Then he hit a bump—now there are three

TALK ABOUT CAPACITY

and ABILITY TO STAY ON THE JOB

...You'll Get *BOTH* in a Corn-Saving JOHN DEERE PICKER

100-BUSHEL yields are tidbits for John Deere Corn Pickers. Big capacity and the rugged dependability to stay on the job in every crop and field condition add up to extra bushels and faster, lower-cost harvests for every corn grower.

NEW—No. 127 One-Row Mounted

Here's a new picker that's rarin' to go on small and medium acreages. It's a one-row version of the famous No. 227 Two-Row with all of its outstanding good work features.

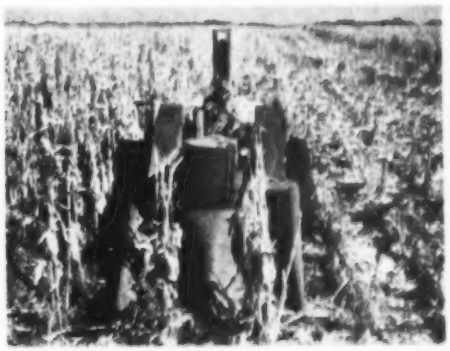
The No. 127's mounted design provides excellent visibility to stay on the row and save more corn . . . offers easier handling in the field and when transporting . . . makes attaching or detaching a fast, easy, one-man job.

Above: The new John Deere No. 127 One-Row Mounted Picker

At right: The famous No. 227 Two-Row Mounted

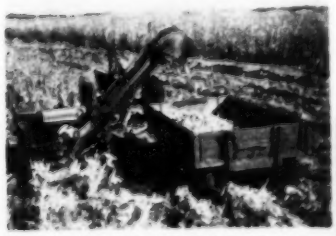
Both the John Deere No. 127 and No. 227 Mounted Pickers feature convenient snapping roll adjustment from the tractor seat . . . high lift for shorter turns . . . four rubber husking rolls per row for cleaner husking . . . enclosed, shielded gear drives . . . and a host of other time-saving, corn-saving, cost-cutting advantages.

See your John Deere dealer for complete information. Mail coupon today for free literature.



Two-Row Capacity At Low Cost

If you grow corn on the contour or prefer a two-row, pull-type picker, you'll want the John Deere No. 200 Two-Row Pull-Type. Remember, *for little more than the cost of a one-row picker* you can have this big-capacity outfit.



Here's the John Deere No. 200 Two-Row Pull-Type Picker. The lightweight, light-draft No. 200 is the *only* successful contour picker.

JOHN DEERE
MOLINE ILLINOIS

SEND FOR FREE LITERATURE

JOHN DEERE • MOLINE, ILL. • DEPT. J38

Please send me free literature on the John Deere Corn Pickers checked below:

☐ No. 127 ☐ No. 227 ☐ No. 200

Name _____

R.R. _____ *Box* _____

Town _____ *State* _____

Home Canning Topics

by Lucina Ball

IMAGINE—A QUART OF HOME-CANNED TOMATO JUICE, MADE FROM HOME-GROWN TOMATOES, costs about the same as a package of gum! Government estimates show tomatoes, for a quart of juice, cost about 2¢ to grow—and the cost of jar, heat and closure is but 3¢ a jar (figuring jar-life at 8 years). *Approximately 5¢*, for a quart of home-canned tomato juice seasoned to your own taste!

Good for Keeps!

When you use the Ball DOME Lid, you get the *extra protection* of a cream-white ENAMEL lining—a clean-looking inner surface that resists food acids. And Ball DOME-sealing is sure—you *see* it: DOME down, jar sealed.

Tempting Tomato Juice Cocktail

5 quarts chopped tomatoes	2 sprigs parsley
¼ cup chopped celery	1 tbsp. sugar
2 tbsp. chopped onions	1 tbsp. Worcestershire sauce
½ small bay leaf	4 tbsp. lemon juice

Salt and Tabasco sauce to taste

Wash, drain, core, chop and measure firm red-ripe tomatoes. Wash, chop and measure celery and onion. Add everything except lemon juice, salt and Tabasco sauce to tomatoes. Cook slowly until tomatoes are soft. Press through fine sieve. Add lemon juice (or vinegar to suit taste), also salt and Tabasco sauce. Reheat juice to boiling. Pour, hot, into hot Ball Jars. Process 15 minutes in boiling-water bath.

On The Record

Over four generations have preferred Ball Mason Jars because they're made especially for home canning. Shaped for space-saving; non-slip ribs.

One Secret of Success

By removing air bubbles after filling you help prevent food discoloration; assure a better seal. To release bubbles, run a knife around the inside of the jar between contents and jar.

Ball Blue Book Shows the Way!

Luscious tomato puree or tomato preserves mean better menu variety year-round! These recipes—among the 300 for fruits, vegetables and relishes—are in the illustrated Ball Blue Book of Home Canning and Freezing. Send 25¢ (coin) to:

BALL BLUE BOOK
Dept. SF84, Muncie, Indiana

© 1954 BALL BROS. CO.

Guaranteed by Good Housekeeping

CAN WITH CONFIDENCE ...CAN WITH Ball

Photograph: Stanley

Upper left: De Luxe Creamed Chicken
Lower left: Steak Dinner in a Skillet
Upper right: Quick Chow Mein
Lower right: Frankfurter Quickie

Cooler cooking...

with top-of-range main dishes

De Luxe Creamed Chicken
(Makes 6 servings)

2 3-ounce cans (1 cup) sliced mushrooms, drained	Salt and pepper
¼ cup green pepper, diced	1 cup chicken broth
¼ cup butter	1 cup light cream
⅓ cup flour	2 cups diced, cooked chicken
	2 tablespoons diced pimiento

Lightly brown mushrooms and green pepper in butter. Add flour and seasonings; blend. Gradually add broth and cream. Cook, stirring constantly, until thick. Add chicken and pimiento. Heat thoroughly. Serve over rice, toast, or biscuits. Garnish with mushroom caps. This makes a wonderful leftover chicken dish.

Steak Dinner in a Skillet
(Makes 4 to 6 servings)

2 pounds round steak, ½ inch thick	4 carrots, cut in half lengthwise
¼ cup flour	4 medium potatoes, halved
2 teaspoons salt	4 small onions
Dash of pepper	1 can condensed cream of mushroom soup
3 tablespoons fat	
1 cup water	

Cut steak into 6 serving pieces. Pound steak; dredge in flour and seasonings. Brown in fat, add water. Simmer, covered, over low heat for one hour. Add vegetables and soup. Continue cooking for 45 minutes or until done.

Quick Chow Mein
(Makes 6 servings)

¼ cup fat	¾ cup water
1 12-ounce can luncheon meat, cut in 1-inch cubes	⅓ cup water
1 cup chopped onion	2 tablespoons cornstarch
1 cup diced celery	2 teaspoons soy sauce
½ teaspoon salt	1 teaspoon sugar
Dash of pepper	1 No. 2 can bean sprouts, drained
	Chow mein noodles

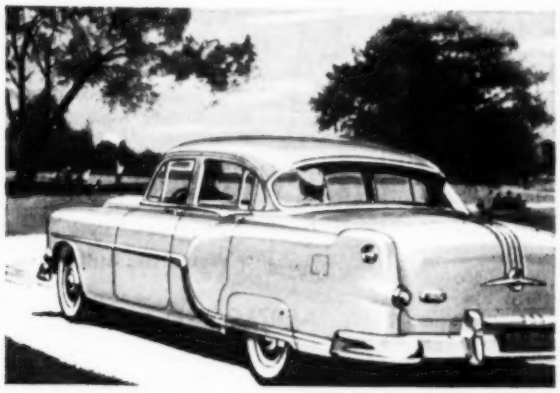
Melt fat. Add luncheon meat and onion. Cook until onion is golden, stirring occasionally. Add celery, seasonings and ¾ cup water. Cook covered for 5 minutes. Blend ⅓ cup water, cornstarch, soy sauce, and sugar. Stir into meat mixture; simmer 5 minutes. Add drained bean sprouts and heat just to boiling. Serve over noodles.

Frankfurter Quickie
(Makes 4 to 6 servings)

¼ cup butter	1 12-ounce can (3 cups) whole kernel corn
¼ cup chopped onion	1 pound (10 to 12) frankfurters
½ cup chopped green pepper	

Cook onion and green pepper in butter until tender. Add drained corn. Split frankfurters lengthwise, almost through. Arrange on top of corn. Cover; cook over low heat for 20 minutes.

Dollar for Dollar you can't beat a Pontiac . . .



Does You Proud . . . Saves You Money!

When you become the owner of a new Pontiac you'll find many occasions to admire your own good judgment. First of all, you'll enjoy the deep satisfaction of owning a truly big car in every way —a car that performs with the alertness and solid feel of a genuinely fine car. You'll find, too, that wherever you go there's great respect for Pontiac's distinctive Silver Streak beauty and luxuriously appointed interiors. And as the years go by, you'll learn first-hand about another great Pontiac quality. Pontiac delivers more economical, dependable miles than you ever expected of any car, regardless of price. And when you trade, the final pay-off is Pontiac's acknowledged high resale value. See your Pontiac dealer and drive a great new Pontiac over a route of your own choosing. It's the one sure way to the wisest decision you can make—a decision that will keep you pleased and save you money, through every enjoyable mile of ownership.

PONTIAC

General Motors Lowest Priced Eight

PONTIAC MOTOR DIVISION OF GENERAL MOTORS CORPORATION

The warmer the weather . . . the more need for Tampax

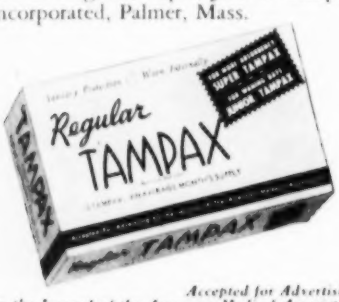
You put away your furs, your wools, your winter clothes in the summertime. Why should you tie yourself to something as hot, as uncomfortable, as *unnecessary* as the whole bulky belt-pin-pad harness?

Free yourself . . . with Tampax. This internal method of sanitary protection is not only comfortable all year round, but *ideal* in warm weather. The Tampax can't be seen, can't even be felt, once it's in place. Tampax doesn't chafe, doesn't irritate—and it even prevents odor from forming. Best of all, *you can go bathing while wearing Tampax.*

NO BELTS
NO PINS
NO PADS
NO ODOR

Think what a difference that makes to your vacation and week-end plans. You feel you can plan anything, go anywhere, *any time!* A whole month's supply of Tampax goes into your purse, offers no packing problem. And Tampax is so easy to dispose of.

Drug and notion counters everywhere sell Tampax in your choice of 3 absorbencies: Regular, Super, Junior. Tampax Incorporated, Palmer, Mass.



Accepted for Advertising by the Journal of the American Medical Association

All around the house®

Here are tips to help you save some time, steps, space, work

● Don't throw away foil wrappers from quarters of butter. Use them for wrapping potatoes for baking. The butter greases the skins, shortens baking time. The wrappers don't cost a cent!—*Mrs. Miller Vaupelt, Missouri.*

● **To tighten a newly glued chair round, tie a rope or tough piece of cloth all the way around the two chair legs and place a small stick through the center of the loop, tourniquet fashion. Turn the stick to twist the rope tight and prop end of stick against the chair to hold it in place until glue is completely dry.—*Mrs. E. H. Elkins, Kentucky.***

● A washcloth with one corner folded down makes a good baby bib. The double thickness at the neck absorbs the dribbles when baby is just learning to drink. To hold the bib in place, I made a band 6 inches long and to the ends of it attached clasps from a pair of boy's suspenders.—*Mrs. H. H. Brown, Vermont.*

● **To keep a grocery list and menu suggestion list handy in my kitchen, I nailed two wooden spring clothespins inside the cabinet door to serve as clips. Nailed close together, and parallel, the clothespins provide a pencil holder, too!—*Etta Lewis, Missouri.***

● In preparing apples for freezing or canning, I use the knife side of my grater. Peel the apples and remove core with corer, then slice into rounds. Or cut peeled apples in quarters first, then slice. Either way, you can get thin, uniform slices in a hurry.—*Mrs. Arnold Scheel, Wisconsin.*

More on next page

AERMOTOR ELECTRIC SUBMERSIBLE PUMP

THE GREATEST IMPROVEMENT IN WATER PUMPING SINCE THE FIRST AERMOTOR WINDMILL

Submersed in your well, it is protected from freezing, surface seepage, and tampering. It never requires priming. Moving parts are water cooled and lubricated, eliminating seals, motor damages, and water contamination.

Write for Bulletin

AERMOTOR WINDMILL

"The Granddaddy of All Water Pumping Systems" . . . and still the cheapest power on earth to pump water. A great favorite in cattle country.

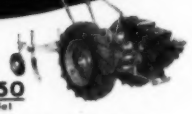
AERMOTOR
WATER WHERE YOU WANT IT!

AERMOTOR COMPANY
2500 W. Roosevelt Rd., Dept. 3608
Chicago 8, Illinois, U. S. A.

Keep Successful Farming coming your way each month.

Wheelhorse

Makes gardening easier — adds to your leisure!



FREE Catalog! Send Postcard today!

Only $149.50
2 h.p. model

You'll buy a Wheelhorse when you compare price . . . construction . . . design and ease of handling! Easy to change attachments help you plow, cultivate, harrow, haul, spray, mow, saw, cut, roll, plow snow. Guaranteed! 2, 2½, 3 and 3½ h.p. models. Write!

Dealerships Available! Write Today!

POND COMPANY
2643-S8 Dixie Way North, South Bend 17, Ind

A gift of better farm living

Give your farm friends a subscription to *Successful Farming*—a gift that will remind them of your thoughtfulness each month throughout the year.

Each 1-year gift subscription, $1.50
Send your orders to: Successful Farming, 3008 Meredith Building, Des Moines 3, Iowa

Now you can spray

New 3-in-one Oil-Spra lubricates and forms a barrier against rust! No more messy rags—oily fingers! Sprays oil at touch of button!

"3-IN-ONE"® OIL

● Sweet peppers can be enjoyed all winter without paying grocery-store prices. I transplant them from the garden to flowerpots and keep them blooming and growing in the house.—*Mrs. Marvin Siebhart, Iowa.*

● **To lengthen my little boy's outgrown corduroys, I bought some plaid flannel to match, sewed a wide turn-back cuff on the bottoms of the legs.—*Mrs. Howard Hart, Minnesota.***

● For inexpensive and interesting fall table centerpieces, bore holes in colorful gourds and use them for candleholders. —*Mrs. Leon Garreau, Iowa.*

● **I have discovered that plant cuttings root much faster in a *colored* bottle or drinking glass. Works especially well for rooting African-violet stems.—*Mrs. H. A. Baer, Minnesota.***

● **A wonderful tool for getting the last drop of batter off the beaters of your electric mixer is a rubber plate scraper with a slit cut up the middle with a razor blade.—*Mrs. Elmer Bogh, Iowa.***

● To soften brown sugar, I put it in a covered jar, along with a little lid or cup containing a wet piece of cotton.—*Mrs. Frederick Brandt, Wisconsin.*

● **To save time making muffins and corn bread, I put the corn meal and bran in glass jars, slip the recipes right inside, too, so I can read them through the jars. —*Mrs. W. H. Watkins, Michigan.***

● On your daily rounds of straightening up the house, push your child's doll buggy to haul the things that are to be redistributed to proper places. As you push the buggy from room to room, you can get things in order in just one round trip. —*Mrs. C. W. Kuhn, Kansas.*

● **Tint your white fall flowers any color you like by simply swishing them through a dye-tint after the solution has cooled.—*Hannah Mulcahy, Wisconsin.***

Successful Farming will pay $5 for each helpful suggestion published. We cannot return unused suggestions.—Editors

You'll feel pretty 'n perky in cotton dresses beauty-finished with LINIT starch

Only* LINIT *beauty-treats your cottons for that smart look, that smooth feel

Pretty, perky you in that feel-cool, look-cool dress starched with Linit. Yes, even if the thermometer goes up 'n up, Linit-starched cottons feel delightfully fresh, look sparkling sleek all summer long. You see —only Linit makes a thin fluid starch that gets into (not onto) fabrics. That's why your iron glides so smoothly, easily . . . and your cottons keep so fresh and cool-feeling between washings. Linit is easy to prepare . . . no cooking . . . ready to use in less than a minute.

Produced by Corn Products Refining Co.

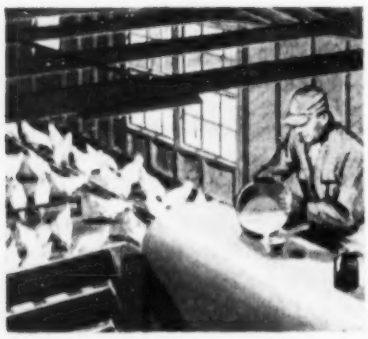
VetStrep®

—SOLUBLE GRANULES OF STREPTOMYCIN—

knocks out "NECRO" fast

Streptomycin remains active in the hog's infected digestive tract.

This easy-to-use remedy also combats Air Sac (CRD), Blue Comb, and Calf Scours



Any farmer can use VetStrep. *Just add to drinking water . . . it dissolves quickly . . . does not clog watering valves.* VetStrep *is a single effective treatment for swine enteritis, CRD in chickens, blue comb in turkeys, and calf scours.*

When "necro" (enteritis) hits your hogs, you can't afford to fool around. To protect your investment, you need VetStrep immediately.

This new, low-cost remedy contains streptomycin. Unlike many other antibiotics, VetStrep is but slightly absorbed from the digestive tract of swine. It stays in the intestines where the germs are, and exerts a continuous germ-killing action. As a result, VetStrep stops "necro" fast, often within a single day. It is a tested product, proved effective in thousands of animals under actual field conditions. Ask your druggist, feed or remedy dealer, or veterinarian for VetStrep today. Available in bottles of 15, 75, and 750 grams with convenient plastic measuring spoon. VetStrep is the registered trade-mark of Merck & Co., Inc. for its brand of streptomycin sulfate oral veterinary.

For correct diagnosis of disease, consult your veterinarian.

Research and Production for Better Poultry and Animal Health

MERCK & CO., Inc.

Manufacturing Chemists

RAHWAY, NEW JERSEY

© Merck & Co., Inc.

Livestock news

Acre of corn silage yields over ton of beef per acre

One acre of corn silage, supplemented with cottonseed cake and mineral mixture, produced 2,300 pounds of gain on 400-pound calves in recent tests at the Missouri Experiment Station. Calves fed corn silage made an average daily gain of 1.22 pounds and required 1,643 pounds silage and 104 pounds of cottonseed cake for 100 pounds gain. The silage yielded 19 tons per acre.

• • • •

Hormone-treated lambs gain faster but grade lower

Hormone-treated lambs gained about 30 percent faster in the feedlot than untreated lambs given the same ration in experiments at the Kansas State Experiment Station. However, the carcasses from the treated lambs were inferior and ranked one full grade below the untreated lambs. The hormone-treated lambs also yielded 4 percent less when slaughtered than the untreated lambs. Abnormal development was found in the reproductive organs of treated lambs.

• • • •

One wire replaces gate

At Michigan State College, a single electrical wire takes the place of a heavy, awkward gate (below).

The wire is fastened to pipe, which allows it to be lowered or raised to any height. Instead of climbing this "gate," you simply raise it up. The wire is used to make separate pens in the loafing area.

Photograph: Schneider

Labor-savers are Made, not born . . .

This novel machine picks up nuts from ground. Conveyer belt takes nuts to revolving cylindrical cage where they are cleaned. Nuts then go to trailer basket. Only one man is needed to operate the harvester. Inventor Leslie Ramacher, shown at wheel, built machine in his small shop near Stockton, California.

. . . and the Best motor oil is Made, not born !

A better motor oil had to be *built*. Mother Nature's best was not standing up in today's high-compression, high-speed engines; also, valve lifters were sticking in cold stop-and-start driving. Texaco scientists found the answer to the problem in an exclusive new balanced formula of additives, now in *Advanced Custom-Made Havoline*. This new oil can take a beating at high speeds that cause other oils to break down, resulting in valve tappet wear of soup-bowl proportions. Valve sticking in cold-motor driving is eliminated. This new oil actually wear-proofs engines for longer life. See your Texaco Dealer for *Advanced Custom-Made Havoline*, the best motor oil your money can buy.

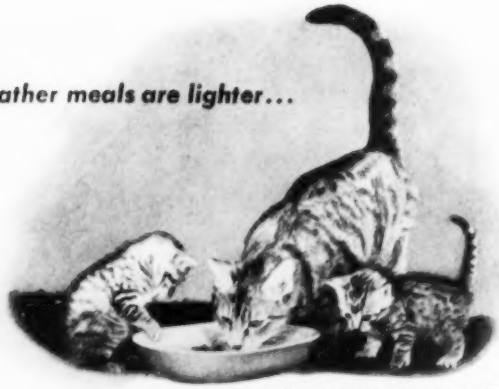
Produce Dealer George W. Watson *(right)* of Cordele, Georgia, is getting some *Advanced Custom-Made Havoline* from Texaco Dealer Jesse James. Mr. Watson has used nothing but Havoline oil in his truck engine. It has been driven 435,000 miles and the original piston rings are still good.

THE TEXAS COMPANY

TEXACO DEALERS

IN ALL 48 STATES

Texaco Products are also distributed in Canada and in Latin America



Hot **weather meals are lighter...**

For full-color 8" x 10" reprint of this Chandoha Photo, send 25c to Puss 'n Boots, Dept. S7, Box 1450, G. C. Sta., N. Y. 17, N. Y.

When your cat eats less food he has more need for balanced food

Your cat's appetite goes down in summer...so make sure every meal gives him good, sound nutrition for health and vigor. Just feed...

Puss 'n Boots—Made from Whole Fish

Whole fish has nature's balance of life-giving factors. Puss 'n Boots is made from whole fish, with cereals added for all-round nutrition. It has the natural life balance of whole fish in every spoonful! Sold everywhere.

BONE STRUCTURE. Calcium, phosphorus for sturdy frame. Made crumbly and digestible.

FILLETS, rich in proteins. Usually reserved for humans, but *retained in Puss 'n Boots.*

LIVER, GLANDS, for vitamins and minerals—vital for general well-being. Frequently extracted for medicinal uses, *but retained in Puss 'n Boots.*

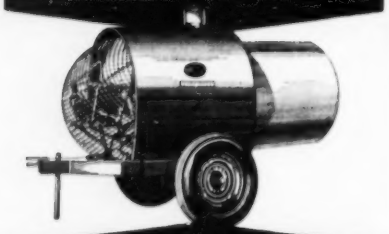
PUSS'n BOOTS

AMERICA'S LARGEST SELLING CAT FOOD...

Coast Fisheries, Division of The Quaker Oats Co., Wilmington, California

Decorating advice. Stores offering **Successful Farming's** home planning service are listed on page 78. Visit store nearest you for help with decorating problems.

Hartzell Power Speeds Drying...



Saves You Money

A Hartzell crop drier packs the punch for a fast drying job. The powerful Hartzell unit forces the heated air into the heart of your batch drier, bin or mow. And that's what it takes to insure fast, complete drying. Faster drying saves time, saves fuel. Hartzell power puts money in your pocket.

Compact. Sturdy. Easily portable. Completely automatic. Three sizes—3, 5 and 7½ h.p. And the Hartzell drier comes as a complete package. No extras to buy. See your dealer or write today for details.

HARTZELL propeller fan co.

Agricultural Division Dept. S PIQUA, OHIO

HK REMOVABLE UNLOADER

One man does the job from tractor seat. Unloads whole or ground grain. Fills granaries and feeders faster. P. T. O. operated. Fits any 38" flare box. Write for free literature.

HOTCHKISS STEEL PRODUCTS CO.
Dept. 3-K Bradford, Ill.

DECORATING THE FARM HOME IS EASY
for those who've seen "Recipe for Color," a full-color film strip prepared by editors of Successful Farming. Send $3.95 to Successful Farming to order your print.

HOOF ROT?

CANKER — THRUSH

A powerful, penetrating antiseptic for stubborn hoof conditions, fungus infections. Easy to apply—pour it on. 12 oz. bottle—$1.00 at your dealer's, or by mail postpaid.
H. W. Naylor Co., Morris 11, N. Y.

Dr. Naylor's LINITE

PEP UP YOUR CLUB MEETINGS
35mm. film-strip "Recipe for Color" shows how to decorate the farm home. Send $3.95 to Successful Farming for print, commentary, and booklets.

CRIB PLANS FREE!

Send for FREE crib blueprints with list materials. Also Elevator catalog—shows 8 styles.
MEYER FARM ELEVATORS CUP AND PORTABLE
Simplest, strongest — no short turns. Widest, sturdiest Portable—handles baled hay. Write us your crib problems today. State whether interested in Bucket or Portable. Postal brings FREE catalog.
THE MEYER MFG. CO. Box 1200, MORTON, ILL.

How to control erysipelas

Don't let this killer force you out of the hog business. Follow these points for control

By Dr. John Herrick

"The most unpredictable swine disease we run up against"—that's the way veterinarians describe erysipelas.

Erysipelas is an infectious disease of swine caused by a bacillus. This microorganism thrives in the soil for months or in manure piles or other filth for long periods of time.

All ages of swine are susceptible to this disease. Pigs from a few days old on up to breeding animals may become infected. However, pigs from weaning age to a year old are most susceptible. Erysipelas strikes in many different forms. It may creep into herds and remain for months before being noticed.

Acute erysipelas. One of the common forms of erysipelas is the acute type resembling hog cholera. This form may affect pigs suddenly. The animals will fail to eat and will run high temperatures. In many cases, the herd owner may find a hog dead before he even suspects trouble. The stricken animals may die in a day or two after the first sign of sickness. Often, 25 and up to 75 percent of the animals will die if not treated.

Chronic erysipelas. Most swine raisers feel that the chronic type of erysipelas is the costliest. Pigs suffering from chronic erysipelas are poor-doing, walk with a stilted gait, have swollen joints and an arched back. In many cases, these pigs will reach 150 pounds slowly and then fail to gain any more. When aroused from their nests, pigs with chronic erysipelas squeal with pain because of the arthritis present.

Diamond-skin disease. Many authorities classify another form of erysipelas as the "skin form." This form usually is called "diamond-skin disease" because of the appearance of dark or purple spots on the skin in the diamond shape. Sloughing of the skin often follows, with large areas of the skin over the back and sides falling off.

The big question concerning this disease is, "How can I control it?" *Erysipelas*

can be controlled. Thousands of hog raisers have successfully controlled the disease, or they wouldn't be in the hog business.

Sanitation is always of utmost importance, since the causative organism of erysipelas lives in the soil for some time.

Treatments. Erysipelas serum provides a short period of protection. This protection exists only for 21 to 25 days. After this time, the pigs may be reinfected if exposed.

Hogs that have had erysipelas may recover, but may act as *spreaders* of the disease. Most swine over 15 to 18 months of age are resistant to the disease, probably due to exposure and recovery when they were younger.

Erysipelas serum and vaccine administered simultaneously will give protection for longer than the serum alone. The length of immunity varies from herd to herd, depending upon how severe the disease is on your farm.

The vaccine contains living organisms and therefore must be used cautiously and carefully. The protection given is variable; therefore it is used only upon a signed agreement stating that the herd owner will accept the responsibility of the results.

In some herds where the disease is at a high level, pigs must be vaccinated when only a few days of age. In other herds, the pigs are vaccinated when close to weaning age.

Again, the length of time the double treatment gives resistance is variable. So-called "breaks" have been known to occur 3 to 4 months after the pigs were vaccinated. These actually are not "breaks" but are the result of loss of protection by constant exposure and therefore reinfection of the pigs.

Vaccinate pregnant sows. A technique used by some veterinarians to avoid the disease recurring in vaccinated animals is the use of serum and vaccine *in the pregnant sows.* This method allows the carryover of immune bodies to the little pigs, thus offering them protection for several weeks after birth. Then, when the pigs are vaccinated at 6 to 8 weeks of age, they carry the protection for longer periods of time.

Killed vaccine bacterins for the prevention of erysipelas have recently been put on the market. The first available scientific appraisal of these bacterins has recently been released through the Agricultural Research Service, U.S.D.A.

In the controlled U.S.D.A. test, 78 weanling pigs—55 vaccinated and 23 unvaccinated controls—were used. One of the bacterins produced an immunity in the 6 pigs tested at 1 month, protected 2 of 7 pigs at 2 months, 1 of 6 pigs tested at 3 months and again at 4 months, and none at 5 and 5½ months. Another bacterin protected 2 of 6 pigs tested at 1 month, 1 of 9 pigs at 2 months, and 1 of 4 pigs tested at 3 months.

If you suspect trouble, your veterinarian will determine whether the disease is actually erysipelas. If it is, he will decide the preventive measures to use. **END**

GIVE YOUR DOG COMPLETE NOURISHMENT AND VARIETY—AT A SAVING!

Discover how your dog will benefit from this modern, sensible feeding method—Friskies Cubes. For here is *one* food that provides every food element dogs are known to need!

WHAT THEY CONTAIN

Wonderful exercise for teeth and gums, Friskies Cubes are crunchy, bite-size morsels that are rich in meat protein, contain 19 individual ingredients. They retain all of their vitamins and minerals, since they are compressed—not baked.

NO MIXING

No food could be easier to feed. There's nothing to add, not even water. No messy, hard-to-clean bowls.

LESS EXPENSE

And Friskies Cubes cost less than half as much to feed as *most* canned dog food! 2 lbs. of Friskies Cubes contain as much moisture-free food as 6 one-pound cans of most canned dog food. And there's no waste—simply save unused portion for next feeding.

PREFERRED FLAVOR

Years of taste-testing among all sizes and types of dogs have led to the development of the "meaty" taste that dogs love in the Friskies formula.

ALBERS MILLING COMPANY
A DIVISION OF CARNATION COMPANY
LOS ANGELES 36, CALIF.

Friskies

OVER 50 YEARS' EXPERIENCE IN ANIMAL NUTRITION

FRISKIES IN CANS, TOO!

It's the "table-quality" dog food, with *plenty of rich red meat*—not just ordinary meat, but U. S. Government inspected horse meat! This famous Friskies formula also has all the ingredients known to be needed for complete nourishment!

Kill flies with MALATHION*

- Quickly effective
- Economical
- Kills resistant flies
- Residual kill lasts up to 21 days
- Kills fly larvae (maggots), too
- "One of the safest insecticides to handle," says USDA

This new organic phosphate insecticide is a development of American Cyanamid agricultural research, and has been used with outstanding success throughout the country.

Apply as a straight or bait spray, thoroughly wetting the surfaces where flies congregate or breed. Follow label instructions and precautions.

Malathion insecticides are available from national manufacturers. See your regular supplier, and look for MALATHION on the label.

*Also known as MALATHON

Write us for further information.

AMERICAN Cyanamid COMPANY

Manufacturer of MALATHION Technical
AGRICULTURAL CHEMICALS DIVISION
30 Rockefeller Plaza, New York 20, N. Y.

Farmer's Trading Center

Advertisements using illustration or display (large) type, $7.00 per agate line. Available to advertisers who make a mail offer of merchandise (including poultry, livestock, pet stock or services (schools, etc.) at a stated price, or offer a mail-order catalog. Word classified (no illustration or display type): 14-word minimum—all classifications—90 cents a word. Write Successful Farming, Des Moines 3, Iowa.

DOGS—PETS—SUPPLIES

Genuine English Shepherd and Collie pups guaranteed heeldrivers (no fooling) year's trial training instructions $20.00 satisfied customers males females spayed females $15.00. (Distemper vaccinated.)
Emil Runft, Reinbeck, Iowa.

Setters and Pointers, Fox, Coon, and Rabbit Hounds, shipped for trial. Catalog 10 cents. Stanley Blake, Mgr.
Blue Grass Farm Kennels, Berry, Ky.

Creekside Eng. Shepherd pups. $12. Guaranteed heelers, watchdogs, happy guarding the baby. Training instructions. Few older partly trained $25.
Creekside Kennels, Beardsley, Minn.

Genuine English Shepherd pups. (Distemper Vaccinated). Guaranteed Heeldrivers. Year's Trial. Training Instructions. Males, Females, Spayed Females.
Highview Farms, Cedar Falls, Iowa.

"P.R." German Shepherd Police Pups. Registered. Protect Your Property. Good watch dogs. Send 25c for pictures.
H. Schumacher, Ottertail, Minn.

Rat Terrier Puppies small type and large type for squirrels. Send dime for photos and literature.
Kenny's Kennels, St. John, Kansas.

English Shepherds Border Collie Puppies. All ages, both sexes, choice colors, faithful workers, satisfaction guaranteed.
Fairmount Farms, Cedar Falls, Iowa.

POULTRY—CHICKS DUCKS—EQUIPMENT

Sensational Cut Price Values! Egg Bred Chicks. U.S. Approved, Pullorum Clean. 28 Pure and Cross Breeds. Pullets or Cockerels. Low as $7.95 100. Mt. Healthy special Egg Breeding Builds Healthy Chicks that Really Pay Off—Both on the Market and at The Nest. Many Matings sired by R.O.P. Males. Day Old or Started Chicks up to 6 weeks. Baby Ducklings Weekly. Write for Complete Price List. Mt. Healthy Hatcheries, Dept. SF, Mt. Healthy, Ohio.

Brower Feed Mixer Saves You $8-$16 a ton by mixing your own feeds. Perfect mixes in ten minutes. Five sizes, 700 to 1000 pounds capacities. World's largest seller — over 9000 in use. Sold on 30 day trial. Priced low, cash or time payments. Free Catalog. Brower Manufacturing Co., Box G76, Quincy, Illinois.

Chicks $7.95 100 COD. Reds, Rocks, Hampshires & Crosses. Price at Hatchery. Surplus Chick Co., Milesburg 5, Pa.

Write for Brower's Big Free Poultry and Livestock Equipment Catalog and Guide. Chock-full valuable poultry raising information. World's Largest Line poultry supplies, battery brooder plants. Lowest prices. Brower Mfg. Co., Dept. G57, Quincy, Illinois.

RABBITS

Start Right by Knowing Facts about rabbit raising. Illustrated booklet describing all breeds, Housing, Feeding, Breeding, Marketing. 48 pages 10 cents. American Rabbit Breeders Association, 40 ARBA Building, Pittsburgh, Pa.

Make up to $10,000.00 raising either Chinchillas, Guinea pigs, Rabbits, Pigeons, Calves or Mink for us. Information 25c. Keeney Brothers Farms, New Freedom 5, Penna.

Earn up to $400 monthly raising Angora or New Zealand Rabbits. Particulars free. White's Rabbitry, Jackson, Michigan.

Rabbits: Standard Rabbit Journal, B-241-S, Milton, Pa. Year $1.00, sample dime. Beginners manual 25c.

Raise Guinea Pigs. Marketing agreement, cash for output. Booklet free.
Taylors, B426-K, Hapeville, Georgia.

Decorating advice. Stores offering Successful Farming's home planning service are listed on page 78. Visit the store nearest you for help with your decorating problems.

MISCELLANEOUS

Don't feed sparrows! Catch thousands with Original Vail Sparrow Traps. Big cash savings guaranteed. Free particulars. Rush! Farm Service Company, Box 7921, Chicago 1, Illinois.

Paint Outside Titanium and Oil. Guaranteed not to peel. $4.95 value. Special Factory price $2.25. Free Catalog.
Snow White Paint, Toledo 2, Ohio.

To $10.00 Lb. Paid. We Buy 200 different roots, herbs, Milkweed, Catnip, etc. Write:
Herbco 463, Medina, Ohio.

Farmer's Wool made into blankets, batting, robes and yarn. Circular free. Monticello Woolen Mills, Monticello 9, Wisc.

DAIRY GOATS

Make Money raising goats, produce healthful milk. Monthly magazine $1 yearly; sample 20c. Dairy Goat Journal, Columbia A25, Missouri.

PHEASANTS

Raise Pheasants on $100 week plan. Little capital and space can make you independent. Free details. Great Central System, Columbus 8, Kansas.

AGENTS WANTED

Money for Xmas! Make $50 and more during spare time. Friends, neighbors—everyone buys from Elmira's exquisite New Sparkling Line. Imprinted Christmas Cards for As Little as 3c. Personalized Stationary, Napkins, Large Gift Wrappings with Free accessories, Ribbon Ties—all fine quality. Money Saving Values. No Experience Needed. Send Name and Address for Free Portfolios, Catalog, Assortments on Approval, Bonus Plan. Elmira's "Portable Gift Shop" Makes Money First Day. Write Today. Elmira Greeting Card Co., Dept. C-234, Elmira, N.Y.

Extra Money. Easy And Quick. Show friends and neighbors our new, fast-selling line of Christmas Cards, gift wraps and household items. Over 400 unusual gadgets and gifts. Big line, up to 100% profit, liberal bonus plan. Write for big 68-page Free Catalog and samples on approval. Greetings Unlimited, Dept. SF1, Finch Bldg., Park Square, St. Paul, Minnesota.

At Last! Something New and Sensational in Christmas Cards. Make Extra Money Fast! Show Satins, Velours, Metallics. Gets Easy Orders. Pays up to 100%. Cash Profit. 30 Free Samples. With Name 50 for $1.50. Big Line. Amazing new Glitter-Brite Ornaments, Napkins, Gifts, Stationery. Several $1.00 Boxes on Approval. Puro Greetings, 2801 Locust, Dept. 456-K, St. Louis, Mo.

Run spare-time Greeting Card and Gift Shop at home. Show friends samples of our new 1954 Christmas and All-Occasion Greeting Cards and Gifts. Take their orders and earn to 100% profit. No experience necessary. Costs nothing to try. Write today for samples on approval. Regal Greetings, Dept. 117, Ferndale, Michigan.

Free Full Color Catalog of 160 different ways to make extra money! Sell new type Christmas, Birthday, Get Well cards, wrappings, gifts. Big profits, plus extra cash bonus. Write for Feature assortments on approval, free samples Personal Christmas Cards, Stationery. New England Art Publishers, North Abington 833-C, Mass.

Bigger Profits selling Greeting Cards. Get list of sensational Factory Surplus Bargains. $1.25 boxes for 50c, $1 boxes for 35c while they last! Big line new 1954 Christmas Cards, Stationery, Gifts. Assortments on approval, Personalized Samples Free! Midwest Cards, 1113 Washington, Dept. H-58, St. Louis, Mo.

Amazing Color-Glow, Kodachrome Christmas Cards sell like magic. Free samples. 50 boxes bring you $35.00! 191 best moneymakers. Personalized Cards, Novelties. 4 Assortments on approval. $1.25 Retractable Pen Free for prompt action. Creative, 4401 Cermak, Dept. 623-J, Chicago 23.

Christmas Cards pay 75c profit on $1.25 Assortment. Exclusive 40 for $1 Name Imprints. Gift Wraps By-The-Yard. 200 new fast-sellers. Cash bonus. 5 assortments on approval. Cardinal, 1400 State, Dept. 74-L, Cincinnati 14.

New Bathroom Deodorizer. Hangs on wall. Banishes odors bathroom, kitchen. Lightning seller. Samples for Agents.
Kristee 58, Akron, Ohio.

Raise Money Quick California sweet smelling beads sell on sight. Big profit. Particulars free. Mission, 2328B West Pico, Los Angeles 6, California.

Agents, Salesmen Wanted: To sell Hybrid Seed Corn and Seed Grains. Part time.
Batz Seed Farms, Sun Prairie, Wis.

Shine Shoes Without "Polish". New Invention. Lightning seller. Shoes gleam like mirror. Samples for Agents.
Kristee 59, Akron, Ohio.

More than 1,200,000 farm families subscribe to Successful Farming every month.

FARM EQUIPMENT

Automatic twine tie attachment for NC M balers. Easy to install. You can own an automatic baler at a fraction the cost of a new baler. Write Pope Automatic Attachment Corporation, Box 420, Greenfield, Indiana for literature and prices. Avoid the rush, write today.

Gigantic Surplus Sale Tremendous savings. Government, and excess inventory, power plants, hydraulics, compressors, pumps, weed sprayers, chain saws, binoculars, tools, hundreds items. Illustrated catalog free. Surplus Center, S80 "O" St., Lincoln, Nebr.

Low Cost Grain Drier. Removes moisture and protects shelled corn, wheat and other small grain. Fits any bin. Write Louden, Dept. SF-140, Fairfield, Iowa.

Wire Winder Avoid barbed wire entanglements, use a tractor powered wire winder. Low Cost—Free Literature. Midwest Wire, South St. Paul, Minn. Dept. 18.

Free Crib Plans. Cup and portable elevator catalog. Build right for future needs.
Meyer Mfg. Co., Box 60, Morton, Ill.

For Sale. K2 Case 12' combine with pickup in A1 condition. $1,295.00 F.O.B. Write
A. F. Anderson, Sherrard, Illinois.

Enjoy Successful Farming's helpful hints for better living each month.

TRACTOR—AUTO PARTS

Tractor Parts. Largest combination of New and Used parts in the country. Free 1954 Catalog. Central Tractor Parts Co., Des Moines 3, Iowa.

FOR FARM WOMEN

Semi-finished skirts for the busy homemaker. We use only quality materials, put in zippers and finish difficult details. You finish only side seams, hem and belt, at great saving to you. Try out cutting service, with your material or ours. Write for circular and samples. We cater to the larger sizes. The White House, 680 West Holt Avenue, Pomona, California.

Women, Make Money Weaving in your home during your spare time. Weave beautiful hand-loomed rugs, tweeds, draperies, suitings on Newcomb Loom. No previous experience necessary—easily operated. Rugs in great demand. Free illustrated catalog. Newcomb Loom Co., established 1898, Davenport 208, Iowa.

101 Full Size patterns. Smart, new, gifts, novelties, lawn figures, shelves, action windmills, alphabets. Plus "Make Money Jig Sawing." Only $1.00. Mastercraft 85A, 7041 Olcott, Chicago 31, Illinois.

Look: Full Fashioned Nylon Hosiery. Irregulars 3 pr. $2. Seconds 3 pr. $1. Thirds 6 pr. $1. Satisfaction guaranteed. Premier Sales, Box 8177, Chattanooga, Tenn.

Church Groups Clubs Auxiliaries. Fund Raising. Plastic Housewares, all types. Display Furnished. Card brings details. Toledo Sports Co., Box 797, Toledo 1, Ohio.

Embroider Stamped Linens. Buy direct from manufacturer and save. Send for Free catalog. Merritbee, Dept. 615, 22 West 21st Street, New York 10, N.Y.

Women make money at home, spare time. Sew ready-cut Rap-A-Round. Easy, profitable. Hollywood Mfg. Co., Dept. AA, Hollywood 46, Calif.

Thrilling, Profitable Home Business. Make fast-seller chenille monkey trees, dolls, flowers. Terrific holiday demand. Information free. Velva, Bohemia 25, N.Y.

Church Groups Raise Funds Easily! Free Catalogue. Complete Credit. Over 50 useful, unusual moneymakers. Beb Moneymakers, Dept. 541, Oneonta, New York.

For golden or silver anniversary invitations, napkins, guest books, doilies or wedding invitaitons, write
Maas & Co., Bonner Springs, Kansas.

Home Workers. Help fill demand for handmade moccasins. Good pay. Experience unnecessary. California Handicrafts, Dept. 31, Los Angeles 46, California.

Snap Fasteners and shirtmaking supplies. New removable snap for blouses. Free folder. Campau Co., Box 2125F, Castro Valley, California.

Permanently Etch Pencil Labeling Space on Fruit Jars, Jelly Glasses. Complete Kit $1.00. Etchall, Inc., Columbia 5, Mo.

Send us raw wool for fine blankets. Free literature. West Texas Woolen Mills, 412 Main, Eldorado, Texas.

Earn $12 dozen sewing new "Tutone" Baby Shoes. Details free.
Thompson's, Loganville SF, Wis.

FEATHERS WANTED

Absolutely Highest prices paid for new and old Goose & Duck feathers. Send for free tags and shipping instructions. For Top prices on used feathers mail small sample from your featherbed in ordinary envelope to Northwestern Feather Co., Dept. B, 212 Scribner NW, Grand Rapids 4, Mich.

Guaranteed top prices and immediate payment for feather shipments. Free tags. Ship to this old reliable firm. Used feathers send sample for best price. No handling or commission charge. Progress Feather Co., 657 W. Lake St., Chicago, Ill.

BUSINESS OPPORTUNITIES

Buy wholesale direct 10,000 nationally advertised Appliances, Sporting Goods, Watches, Furniture, Auto Parts, Toys, Giftwares. Sell at tremendous savings to individuals, organizations. Amazing Profits! Free "Wholesale Idea". National Buyers Service, Box 426VB, Oakland, California.

Raise Earthworms! Terrific! Get important information plus True story, "An Earthworm Turned His Life." Send dime. Earthmaster System 26D, El Monte, Calif.

Buy wholesale direct. All nationally advertised Appliances, Homewares, Watches, Cameras, Sporting Goods, Giftwares. Savings to 50%. Catalog 25c. Refundable. Wholesalers Mart, Box 6125VG, Houston, Texas.

Earn $100 month, easy, breeding hybrid earthworms. Big demand. No expenses. Free Information. Earthworm Gardens, 32 Peacock Bldg., El Monte, Calif.

COONHOUNDS

Hunters, we offer coon, combination hounds, fox, squirrel and rabbit hounds. Trial allowed. Information Free.
Hillside Kennels, Sesser, Illinois.

Hunting Hounds: Fast Game Finders. Cheap. Trial. Literature Free.
Dixie Kennels, D10, Herrick, Illinois.

OLD GOLD—JEWELRY

Watches Wanted. Any Condition. Also broken jewelry, spectacles, dental gold, diamonds, silver. Cash sent promptly. Mail articles. Satisfaction guaranteed.
Lowe's, Holland Bldg., St. Louis 1, Mo.

FILM FINISHING

Dated Prints From Your Roll of film, dated on the front margin. Magnificent quality. America's most modern laboratory. 6 or 8-exposure roll printed jumbo size in pockette album, 35c. 12 exposures, 45c. 16 exposures, 60c. Satisfaction guaranteed or money refunded. Over-night service. Free mailers. Free coupons. Kleer-Vue Film Service, Box 6364C, Philadelphia 39, Pa.

The Photo Mill. Immediate Service. No delay. Eight exposure roll developed and two prints from each negative 40c or eight Jumbo Prints 35c. Single reprints 3c each. Jumbo Reprints 4c each. Write for complete price list and roll film mailers. The Photo Mill, Dept. 17, 1511 Hennepin, Minneapolis 3, Minnesota.

Two-Bits (25c) 8-exposure roll developed, Jumbo prints. Electronically processed, satisfaction guaranteed. 12 exposure 35c, 16 exposure 50c. 35 mm finegrain 20 exposure 90c, 36 exp. $1.25. Dated Borders. Reprints, Jumbo, 4c (minimum 5). Cash only. No stamps. Fast service. Alamo Photo Co., Dept. G, San Antonio 6, Texas.

Beautiful Results at low cost. Jumbo Oversize finishing. Quality workmanship. 8-exp. roll superfine finish only 40c. 12-exp. 55c. 16-exp. 70c. 36-exp. $1.50. Oversize reprints 5c each. Send us your order. Free Mailers. Mailbag Film Service, Box 5440A, Chicago 80, Ill.

Quality With Quick Service. Only 35c for 8 beautiful Jumbo prints—first quality, glossy, deckle-edged 12 exposure roll, only 50c. No better prints made at any price. Try us. You will never change.
May Studios, Dept. P-84, La Crosse, Wis.

On Snapshot Days Remember Ray's. With This Ad. Any 8- 12 or 16 exposure roll developed, including Raytone King size Print from each negative, for only 35c. America's Quality Finishers since 1920. Ray's Photo Service, Dept. 88, LaCrosse, Wisconsin.

24 Hour Service Jumbo Prints 12-Exposure roll 1 each 50c, 2 prints each 80c. 8-Exposure rolls 1 each 35c, 2 prints each 55c. Jumbo reprints 4c. Welch Photo Company, 2418-36 Penn, Minneapolis, Minnesota.

Two "Everbrite" Prints from each negative on 8 exposure film, including coupon for choice of two plain or one colored framed enlargement, 40c. Reprints 3c each. Flash Foto Finishers, Box 1122-R, Minneapolis, Minn.

Only 25c. Your roll developed and 8 finest quality enlarged prints. Pictures plastic bound in beautiful album. Trial offer, limited time. Daily service. Ball Studio, Dept. Z, Box 275, St. Louis, Missouri.

Two Sets Of "Deckledge" Prints with every eight exposure roll finished. 40c. Very finest quality. "Deckledge" reprints 3c each. Jumbo reprints 4c each. Brown Photo Company, 1910-45 Emerson, Minneapolis, Minnesota.

Two Beautiful prints from each picture on roll. 8 exposures 35c, 12 exposure 45c. Thirty three years of satisfied customers. Quick Service.
Lens Photos, Dept. C-10, Janesville, Wis.

Only 25c for 8 beautiful enlarged prints from your roll or negatives. (Trial Offer). 16-50c. Quick Service. Money-back guarantee. Willard Studios, Box 3535N, Cleveland, Ohio.

Jumbo Prints, 8-Exposure Roll, 30c. 12-Exposure 45c. 16-Exposure, 55c. Reprints Oversize, 4c. Guaranteed Quality. Mail Order Photo Service, Box 297, Watertown, Wisconsin.

16 Oversize Contact prints or 8 plastic bound superpak album jumbo prints from roll 35c.
Owl Photo Co., Weatherford, Okla.

Beautiful enlargement from each picture on roll—8 exposure 35c, 12 exposure 45c. Cut Rate Photos, Dept. K-1, Janesville, Wis.

12 Jumbos from any size roll developed 35c with this ad only.
E. Skrudland, Lake Geneva, Wis.

Rolls, Reprints, Jumbos In Albums, 8-30c; 12-40c; 16-50c.
Bobs Photo, Box 23, Fairmont, W. Va.

Rolls Developed—1 print each 25c; 2 each 35c. 8 Jumbo prints, 35c.
Davenport Finishers, Davenport, Iowa.

8 Jumbos from roll developed 25c, with this ad only.
Skrudland, River Grove, Ill.

MINKS

Mink Farming—The surest, safest agricultural enterprise, offers profitable farm programs. Feed grains, milk, animal and poultry offal. May kits sold in December World Market. Add mink to your present operation. Northwood Fur Farms, world largest producers of fine mink offers breeding stock with complete advisory service. Otto Grosse Cary & Crystal Lake, Illinois 45 Northwest of Chicago.

Is your subscription about to expire? Renew now. Don't miss an issue.

SCHOOLS

Learn Auctioneering. Terms Soon. Free Catalog. Reisch Auction School, Box 850, Mason City, Iowa.

Be An Auctioneer. Term soon. Free Catalog. Missouri Auction School, Box 8425C6, Kansas City, Missouri.

Farmer's Trading Center

Advertisements using illustration or display (large) type, $7.00 per agate line. Available to advertisers who make a mail offer of merchandise (including poultry, livestock, pet stock) or services (schools, etc.) at a stated price, or offer a mail-order catalog. Word classified (no illustration or display type)—14-word minimum—all classifications—90 cents a word. Write Successful Farming, Des Moines 3, Iowa.

SALESWOMEN WANTED

Quick, Easy Cash for your spare time! Visit friends, show new, excitingly beautiful, name-imprinted Christmas cards and over 400 unusual, fast-selling gift items. Amazing values. Big profits. Experience unnecessary. Catalog free. Samples on approval. North Star, Dept. 100-C, 251 East 5th, St. Paul, Minn.

Make $50 In Spare Time! Show sensational $1 Christmas Card Assortments. 100 easy sales pay you $50.00! Name-Imprinted Cards 3c apiece. Other fast sellers. Experience unnecessary. Assortments on approval. Imprinted samples Free. Stuart, 4436 N. Clark, Dept. 131, Chicago 40.

Make Money Introducing World's cutest children's dresses. Big selection, adorable styles. Low prices. Complete display free. Rush name. Harford, Dept. M-1341, Cincinnati 25, Ohio.

Blouses, lingerie, hosiery, brand new line. Sensational new money making plan. Write American Mills, Dept. 427, Indianapolis

SALESMEN WANTED

Start Your Own Business on Credit. Your own boss. 1658 of our Dealers sold $5,000 to $27,500 in 1953. We supply stocks, equipment on credit. 200 home necessities. Sales experience unnecessary. Pleasant profitable business backed by world-wide industry. Write Rawleigh's, Dept. H-U-SHW, Freeport, Ill.

EMPLOYMENT

Foreign-U.S. Jobs. So. America, Alaska, Spain. Fare Paid. 1000's U.S. Jobs to $18,000. Trades, Office, Factories. Send stamped self-addressed env.
Job Opportunities, Waseca, 56, Minn.

Beauty Demonstrators: Up to $5 hour demonstrating Famous Hollywood Cosmetics, your neighborhood. Free Samples and details supplied. Write Studio-Girl, Dept. SF-84, Glendale, Calif.

Amazing Extra-Money plan gives you gorgeous dress without penny cost. Rush name today with dress size. Harford, Dept. M-135, Cincinnati 25, Ohio.

PATENTS

Inventors: Learn how to protect your invention. Special Booklet "Patent Guide for the Inventor" containing detailed information concerning patent protection and procedure with "Record of Invention" form will be promptly forwarded upon request—without obligation. Clarence A. O'Brien & Harvey Jacobson, Registered Patent Attorneys, 430-G, District National Building, Washington, D.C.

Inventors: When you are satisfied that you have invented something of value write me, without obligation, for information as to what steps you should take to secure a Patent. Write Patrick D. Beavers Registered Patent Atty., 950 Columbian Bldg., Washington 1, D. C.

Inventors: Information on patent procedure furnished on request, without obligation. John Randolph, Registered Patent Attorney, 237 Columbian Building, Washington 1, D. C.

STAMPS AND COINS

Free 105 different British Colonies—Aden to Zanzibar! High Catalog; pictorials. Approvals. Send 10c for mailing.
Kenmore, Milford 20-T, N.H.

Free! Big United States Catalog. Valuable guide and check list. Hundreds of illustrations. Approvals. Harrisco, 306-G Transit Building, Boston 17, Mass.

Free Valuable Mystery Gift. Approvals. (5c handling please)
Raymax, 37-FF Malden Lane, NYC 8.

STOCKMAN'S SUPPLIES

Horn Weights, 90c per pair postpaid. Made in 4 sizes—½ lb., 1 lb., 1½ lb., and 2 lb. Tattoo markers $5.25, postpaid. Includes set of numbers, bottle of ink, and full directions. We also carry complete line of ear tags, neck chains, veterinary instruments, supplies, serums, remedies. In fact, everything for the stockman. Write for free catalog.
Breeders Supply Co., Council Bluffs, Iowa.

LIVESTOCK

"How To Break And Train Horses"—A book every farmer and horseman should have. It is free; no obligation. Simply address Beery School of Horsemanship, Dept. 208, Pleasant Hill, Ohio.

Wisconsin's Finest Holstein and Guernsey dairy heifers shipped to you on approval. Write for free price list.
Otto Vanderburg, North Prairie, Wis.

Wisconsin Holstein and Guernsey Heifers and Calves for sale. Delivered on approval. James E. Welch, Mukwonago, Wis. Phone Eagle 778.

Wisconsin Holstein Cows, Heifers and Calves. Selected for production and type. Tb and Bang's tested. George Piper Farm, Watertown, Wisconsin.

Train horses by circus methods. Write for free booklets. American Horse Training Institute, Box CA-7, Scammon, Kansas.

Yorkshire Hogs. True Meat-type. Circular. Yalehurst Farms, Peoria, Ill.

FOR FARMERS

Attention Cream Shippers! Ship us your cream. 59 years of honest, dependable service. Galva Creamery Company, Galva, Illinois, and Kansas City, Missouri.
Peterson Creamery, St. Paul, Minnesota.

HOBBIES

Leathercraft, Metal Tooling, Textile Painting, Beadcraft, Shellcraft—many other crafts. Fun, easy, profitable! Free, big, illustrated catalog. Write today. Kit Kraft, Dept. AJ58, Hollywood 46, Calif.

Free! LeatherKraft Catalog Free! Write Box 397E (Use Little 2c postcard!)
Tandy Leather, Tulsa, Oklahoma.

FARM SEEDS AND NURSERY STOCK

Free Sample Campbell's Gro-Green Liquid Fertilizer. Makes 1 gal ready to use fertilizer—enough to feed 25 house plants 6 months.
H. D. Campbell Co., Rochelle 10, Illinois.

FARMS—REAL ESTATE

Has 27 Springs!—260-acre dairy farm, complete with 13 milk cows, 5 calves, bull, brood sow, layers, only $6,000! 140 tillable, part fertile bottom land, 20 could easily be irrigated, 27 springs for abundant water, borders good fishing stream. Quiet setting on gravel road, milk picked up, mile state highway. Comfortable 4-room dwelling, overlooks valley and stream. 20-ft. barn, poultry house, etc. What a buy at $6,000. $2,000 down. New Fall bargain catalog, 16 states, sent free! United Farm Agency, 2825-SF Main St., Kansas City 41, Mo.

Strout Realty Catalog Mailed Free! Farms, Homes, Businesses. 34 States. Coast-to-Coast. 3240 Bargains described. World's Largest. 54 years service. Strout Realty, 20-R West Ninth St., Kansas City 5, Mo.

Canadian Farm Lands Improved and Unimproved Lands. Good settlement opportunities on productive soil, reasonably priced. For free information write Canadian National Railways, Room N100, Union Station, Winnipeg, Canada.

Farm-Ranch Opportunities. Favorable conditions. Washington, Minnesota, Montana, Idaho, Oregon, North Dakota. Literature, farm descriptions. Specify which state. J. W. Haw, 11 Northern Pacific Ry., St. Paul 1, Minn.

EDUCATION

Complete Your High School at home in your spare time with 57-year-old school. Texts furnished. No classes. Diploma. Information booklet free. American School, Dept. X-C30, Drexel at 58th, Chicago 37, Illinois.

Make Up To $50-$60 Week as a Practical Nurse. Nursing Aide, or Infant Nurse. Learn quickly at home, spare time. Booklet free. Chicago School of Nursing, Dept. F-7, Chicago.

Be a Real Estate Broker. Study at home. Write for Free Book today. G.I. Approved. Weaver School of Real Estate, Dept. SF, Law Bldg., Kansas City, Mo.

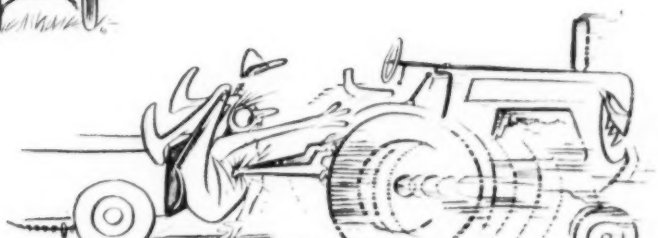
Grass Silage Increases Profit

Successful Farming film slides show how to get best results. Order "How to Make and Store Grass Silage" from Successful Farming, Des Moines, Iowa. Slide program and commentary, $15

Keep *Successful Farming* coming your way. Each month in *Successful Farming*, you will find the kind of information that will help you increase your profits, make your farm work more convenient, and your farm living more comfortable.

Treacherous tractor tricks

When coupling tractor to machinery, *stay on the tractor* when using the clutch to ease drawbar into a proper position



Drawings: Osborn

Meathead Mike was the hurry-up type, a man who arose with the birds; Said he, "I've no time this tractor to climb." Famous last words

INDIAN BASKETS

Beautiful, well made and useful. Made with white ash, sweet grass and twisted sea grass, in many beautiful colors. Make wonderful gifts. Hand made products of Indians of the Penobscot Reservation. Write for free folder.

Indian Village Trading Center
Box 362, Old Town, Maine

OVERLOAD SPRINGS

$9.95 Per Pair Postpaid

For cars and trucks. Give 2000 lbs. extra capacity for all ½, ¾, and 1 ton trucks; 1000 lbs. extra for all cars except Buick, Olds, Nash. Easily installed in 5 minutes. Satisfaction guaranteed. State make & model.

BRINKMAN MFG. CO.
2315 Clay, Topeka 87, Kansas

A Tip for Program Chairmen

"How to Make and Store Grass Silage" is an interesting and profitable film-slide program by Successful Farming. To order slides and script, send $15 to Successful Farming, Des Moines, Iowa.

PUMP WATER FAST!

DRAIN CELLARS, WASH TUBS, CISTERNS, IRRIGATE, FILL TANKS, DRAW WELL WATER

Pumps 2400 GPH — 1500 GPH. from 25' well or 360 GPH. 75' high. Sturdy, Rustproof Alloy Metal. Three Blade Impeller. ¾" Inlet—½" Outlet. Threaded for pipe. Uses ⅛ to ¾ H.P. Motor. Ironclad guarantee. Send Check, M.O. or C.O.D. Add 50¢ west of Mississippi. **$5.95**

FREE Catalogue — Large Centrifugal Pumps, Gear Pumps — Deep and Shallow Well Pumps — Sump Pumps.

MOORE MANUFACTURING COMPANY
SWEDESBORO 71-H, NEW JERSEY

Amazing NEW MILKER

Only $17.00 DOWN

- **1-2-3-4 RHYTHM MILKING ACTION** . . . gets more milk . . . easier on cows.
- **SIMPLICITY** . . . self-contained . . . compact . . . more years of service. No installation costs.
- **CUTS MILKING CHORES IN ½** . . . milks faster, safer . . . easier to clean and use.
- **$50 WARRANTY of Increased Production and Better Milking.**

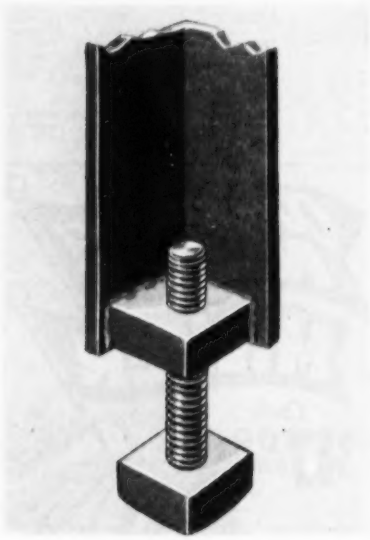
FREE World's Greatest MILKER story shows how to cut milking chores in half. Write today. No agent will call.

Don't decide on any milker at any price until you have the facts on the sensational advantages given by the new, improved **GLOBE 1-2-3-4 Rhythm MILKER.** Single or double milking units for any size herd. Get low, direct-from-factory price and **EASY TERMS** that let your milker pay for itself. Write

GLOBE MILKER COMPANY Dept. A-47
200 E. 1st St., Des Moines, Iowa, or
1000 E. Mermaid Lane, Philadelphia, Pa.

All around the farm *A page written by our readers*

To mow the lawn higher during the summer, I increase the diameter of the lawnmower roller. I do this by wrapping it with a length of clothesline and tacking it here and there with wire staples. The bigger roller makes it possible to cut the grass extra high in hot weather, protecting the roots against the sun.—*L. F., Kansas.*

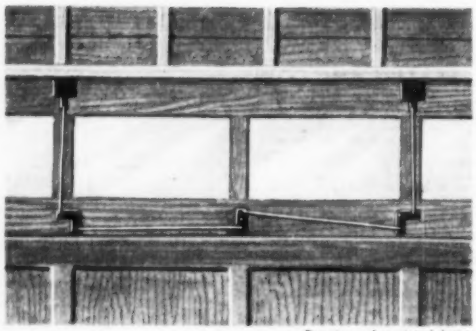


It's easy to level stands with angle-iron legs if the bottom of two or more legs are fitted with a square nut and cap screw (as shown above).

The stand is adjusted by turning the cap screws on the legs until the bench is level. A jam nut locks each screw in place. For stands with wooden legs, a piece of angle iron can be bolted onto the legs.—*G. M., Iowa.*

I find the right wrench without much trouble by dipping each arm of my four-way rim wrench in a different color of paint. Boltheads on machines where this wrench is used are also painted corresponding colors.

This saves time when using the wrench, but more important, the bolt-head is never deformed by using the wrong wrench.—*R. W., Illinois.*



Drawings: Associated Artists

To clean garden vegetables, I've found a wire screen in the bottom of a box helps me do it easier and better.

I put the vegetables in the box and wash them quickly with the garden hose. Short blocks on the bottom of the box keep the screen off the ground.—*R. T., Washington.*

For filling nail holes and cracks in wood that is to be enameled, I mix a little whiting with the enamel. When this becomes about the consistency of putty, I use it to fill the holes and cracks. There has been no yellowing of the enamel over any of the filled places.—*B. L., Michigan.*

To avoid loss of cattle horn weights that come loose, we drill a small hole in each knob and attach a small length of chain, using small bolts.—*C. G., South Dakota.*

Finding the right hay sling is easy since we attached a 2-foot length of $\frac{1}{4}$-inch rope to each end of our slings and painted both ends the same color. We mark each sling with a different color rope.

Another good way to mark hay slings is to tie a different number of knots in the end ropes of each sling.—*G. I., Michigan.*

I made a lock for our overhead door using two old automobile door latches and the linkage as shown at left.

This kind of lock can be used on many different-size doors with very few changes in linkage needed. Flat iron and angles change the direction of force.—*R. G., Illinois.*

When our barn well went dry last year, we put an eaves trough on the barn and piped the water into the well.

While this is not the thing to do when household water is drawn from the well, this extra water from the barn roof kept the well from going dry. We haven't had to haul water since we put the eaves trough on the barn.—*R. T., New York.*

We installed an electric timer to regulate a pump used to fill a tank some distance from the well. We know about how long it takes to fill the tank, and the timer is set to shut off the current and stop the pump when the tank is full. This has saved us a lot of time.—*H. F. Z., Illinois.*

A screw-eye driver can be made by cutting a section out of a link of scrap chain, then welding the link (as shown in drawing at right) onto an old auger shank. This has worked well for me.

The link should be heavy enough to stand the twisting motion without bending. The cut in the link needs to be only large enough to insert the screw eye.—*M. J. L., Indiana.*

Successful Farming invites you to share your ideas with the rest of our readers. We pay $5 for each item upon publication, but regret we cannot return those we don't use.—*The Editors*

In the Face of Adverse Weather, 5038 Farmers Average 101.16 Bushels of DEKALB CORN per acre

DEKALB CORN has been MORE instrumental in increasing the farm wealth of America than any other single product. Every year, MORE and MORE farmers are depending upon DEKALB for seed corn that's bred to mature and yield in their proper growing zones. Look at the map figures. They are state averages of ALL DEKALB yields* made by farmer contestants in the 1953 National DEKALB Corn Growing Contest. They were made on typical farms, under average field conditions, not on specially "coddled garden plots." The National average last year of 5038 DeKalb Contest growers, was 101.16 bushels per acre. And, during 15 straight years of DEKALB contests, 52,306 farmers have made an outstanding average yield of 99.04 bushels* of DEKALB CORN per acre. American farmers have had security—year after year, from profitable yields of DEKALB CORN. That's one good reason why you should plant DEKALB in 1954.

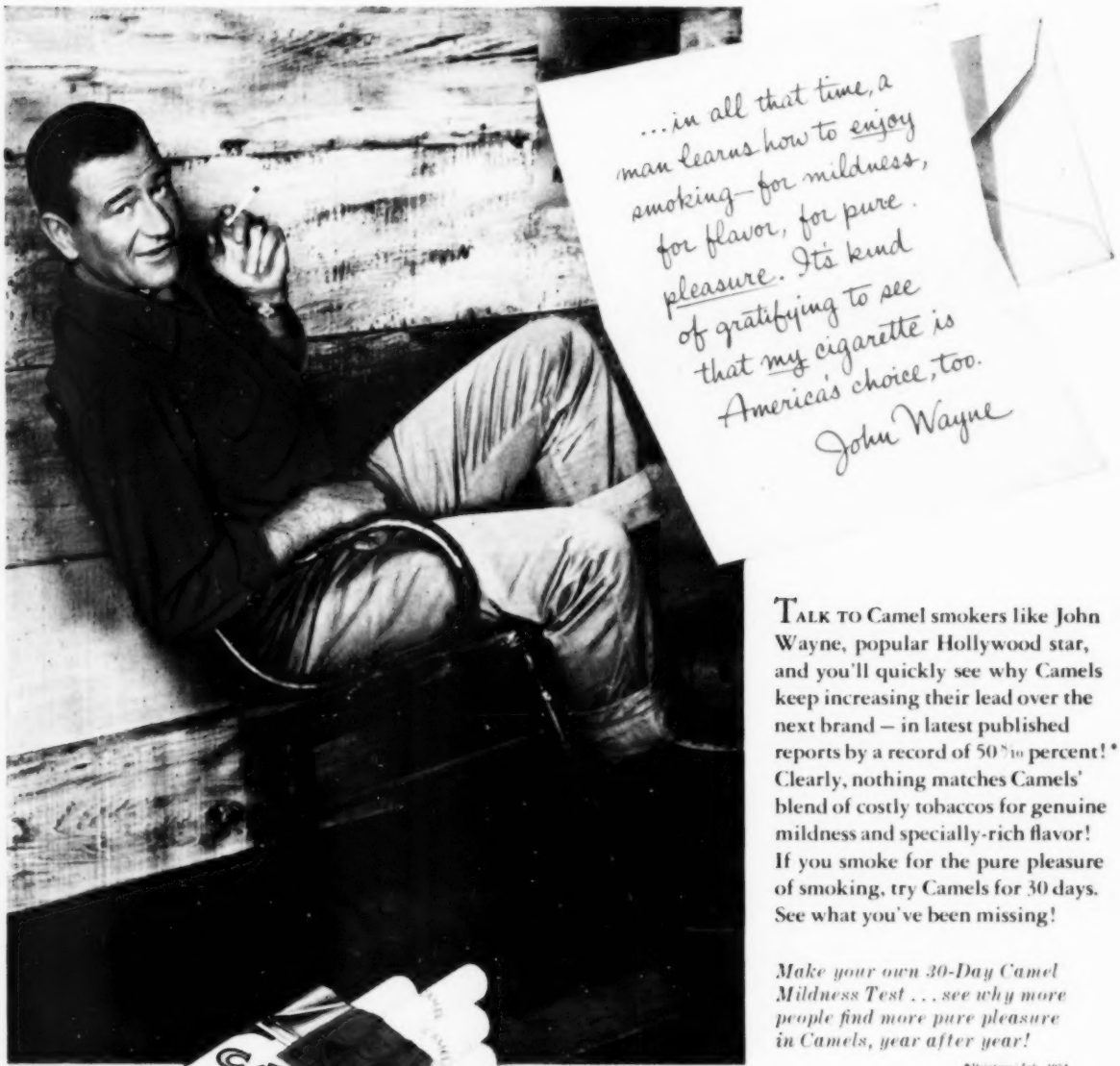
For 14 straight years

More Farmers have Planted DEKALB *than any other Seed Corn*

DEKALB AGRICULTURAL ASSOCIATION, INC.
DEKALB, ILLINOIS
Commercial Producers & Distributors of DeKalb Seed Corn & DeKalb Chix

FIRST in RESEARCH · FIRST in SALES · FIRST in RESULTS!

John Wayne...a Camel fan goin' on 24 years!



TALK TO Camel smokers like John Wayne, popular Hollywood star, and you'll quickly see why Camels keep increasing their lead over the next brand — in latest published reports by a record of 50 8/10 percent!* Clearly, nothing matches Camels' blend of costly tobaccos for genuine mildness and specially-rich flavor! If you smoke for the pure pleasure of smoking, try Camels for 30 days. See what you've been missing!

Make your own 30-Day Camel Mildness Test . . . see why more people find more pure pleasure in Camels, year after year!

*Printers' Ink, 1954

R. J. Reynolds Tobacco Co.
Winston-Salem, N. C.

Camels First in Sales!

Lead second brand by record

50 8/10%

For MILDNESS ...for FLAVOR

Camels agree with more people than any other cigarette!